PC Programmable remote help (Professional version)

Version description

- Retail or end user version
  Only contains user guide.
- Professional version
  Not only contains user guide, but also contains user guide for professional users.

Quick Guide

First Step

1. Prepare PC programmable remote control and install 2pcs AAA battery.
2. Prepare PC programmer(transceiver) and plug into the USB port of PC.
3. Downlaoding and installing software in your PC(windows OS).

Second Step

1. Identify(Read)
2. Code Select from database
3. Program(Write)

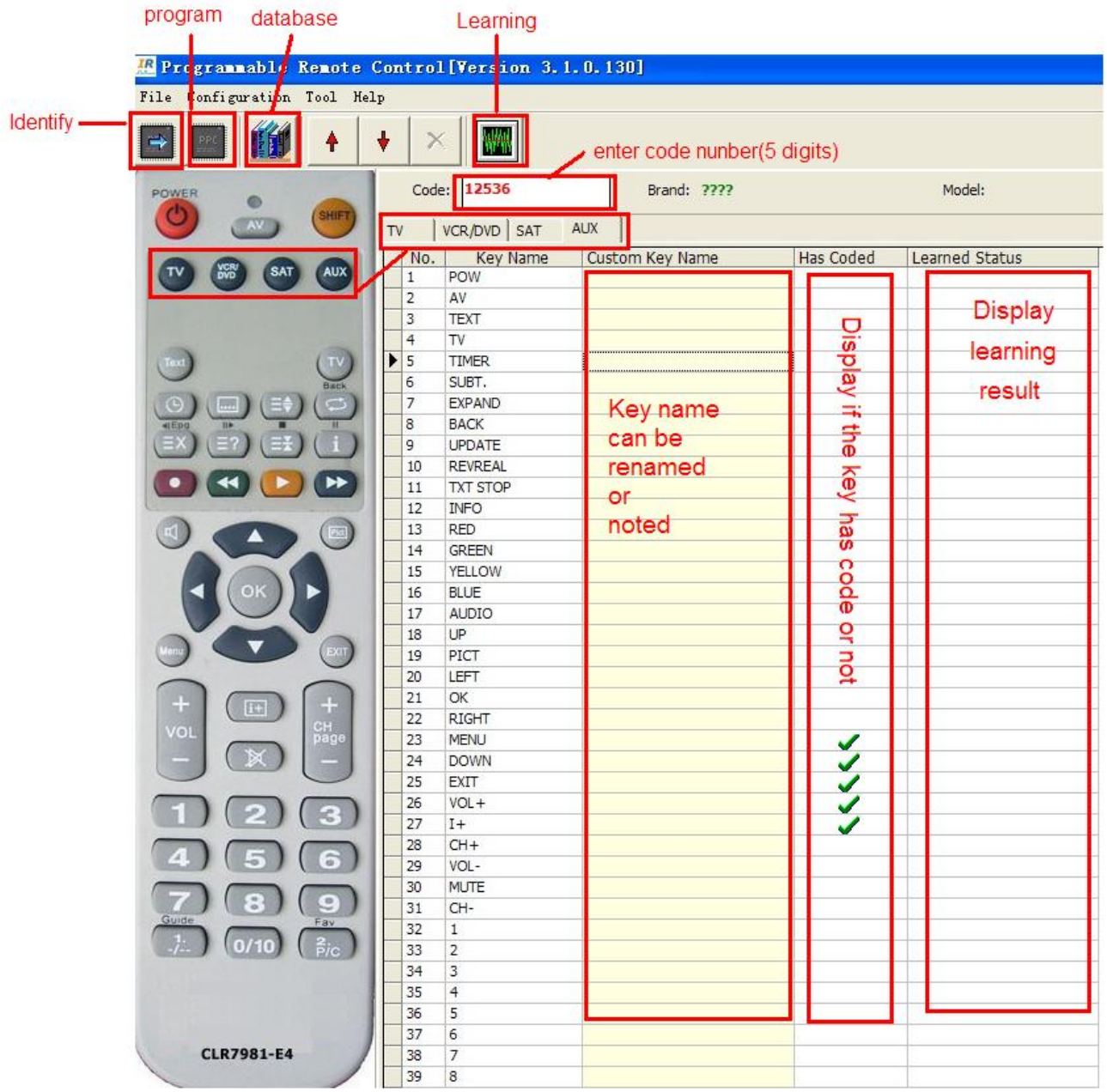

Photo 1

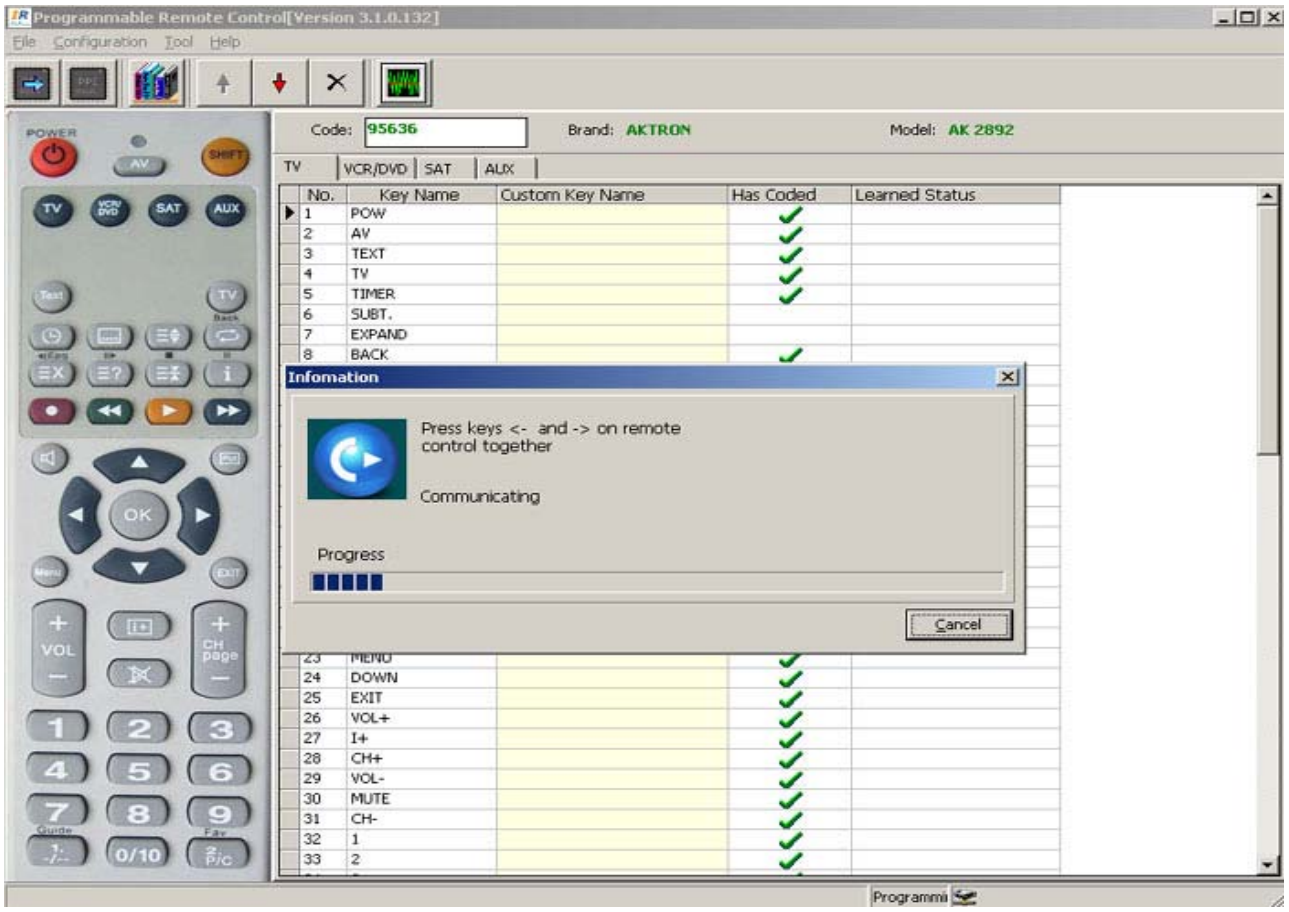

Photo 2 Program

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10, Some useful skills
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13, Customization

1, Description

PC programmable remote control is an update product for traditional universal remote control. Its main difference and characteristic is the IR code database source.
Universal remote control contains IR code database in itself. PC programmable remote database is stored in PC or web server. So PC programmable remote has no risk to be out of date.
IR communication mode remote control needs a transceiver to connect to PC. Please see below diagram

2, Remote control

This kind of remote looks same as universal remote control or learning remote control. It combines all functions of universal remote control and learning remote control.
It can be programmed with any code of any device. Because its key code can be programmed to any number of key, we can design any kind of remote control with any key name to replace original remote.

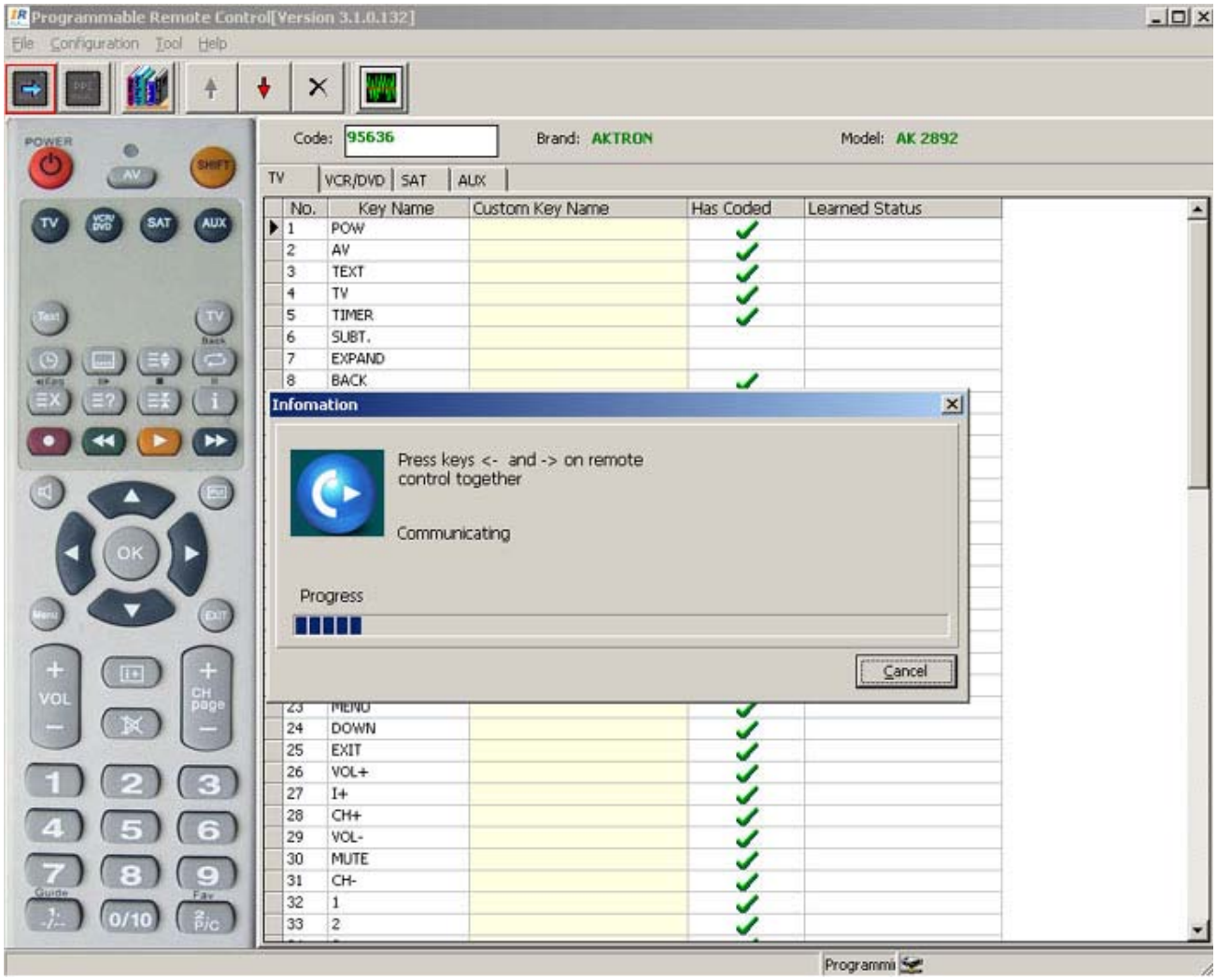
3, Programmer

The IR code data is stored in PC. It needs a transceiver or programmer to program to PC programmable remote control.

IR mode, this PC peripherals is connected to PC with USB cable and communicate with remote control by IR signal. This peripherals is indeed a transceiver, or we can call it programmer, because it program remote control with the IR code in PC.

4, Identify(Read)

When first using or after programming, it can be identified by PC software and read back the content in the programmable remote control. Please see below diagram.

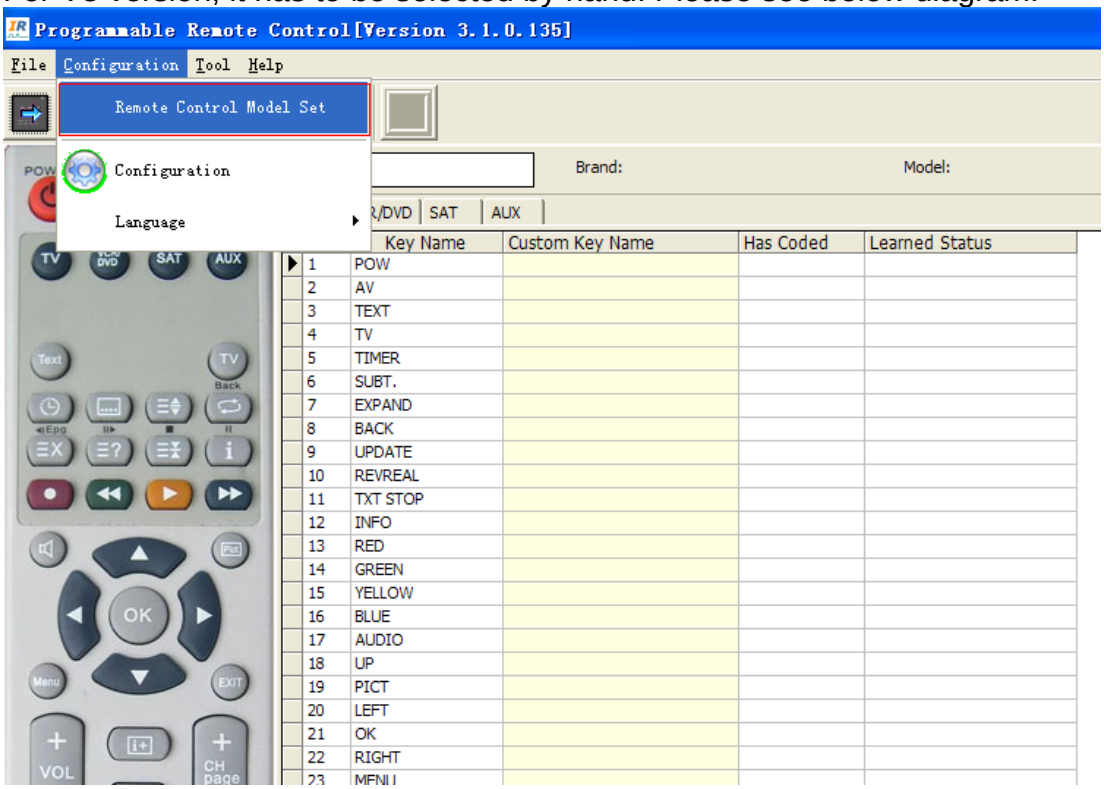


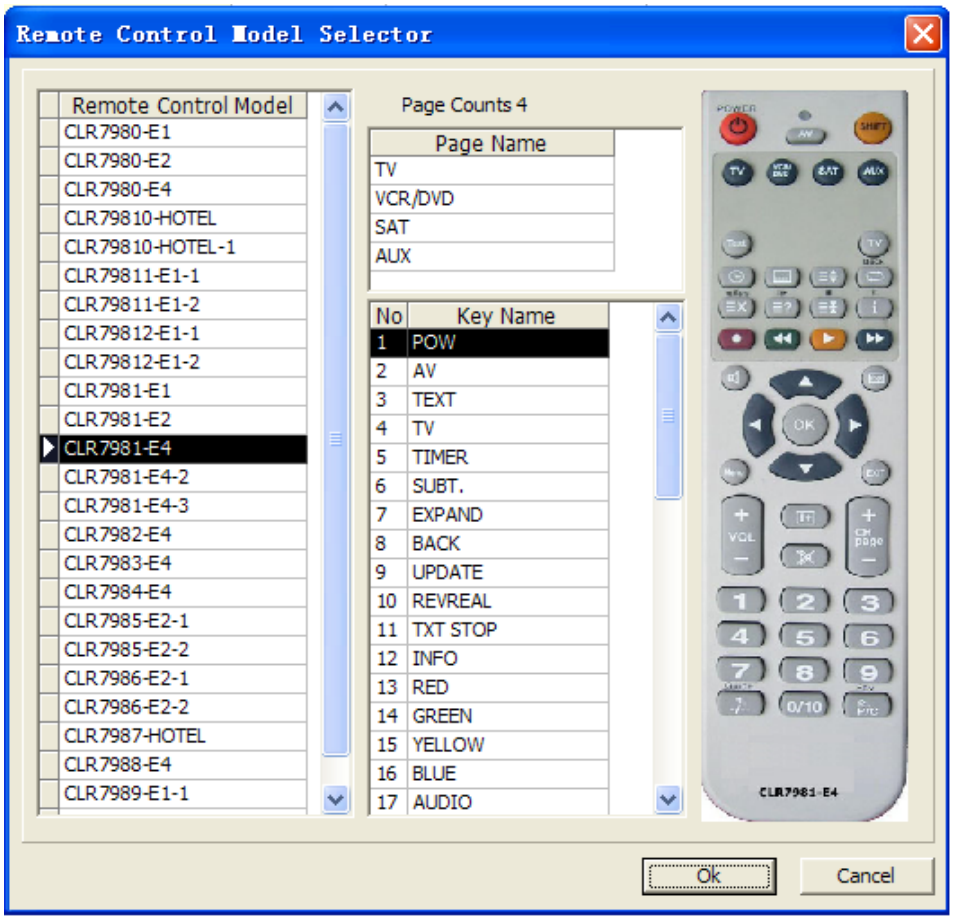
For V3 version, after identify, the photo and model of the programmable remote control isn't changed, the content of the programmable remote control will be read back and displayed in the software as above diagram, including Code, Brand, Model and key code info.

For V4 version, after identify, the photo and model of the programmable remote control will be identified to correct model and photo, the content of the programmable remote control will be read back and displayed in the software as above diagram, including Code, Brand, Model and key code info.

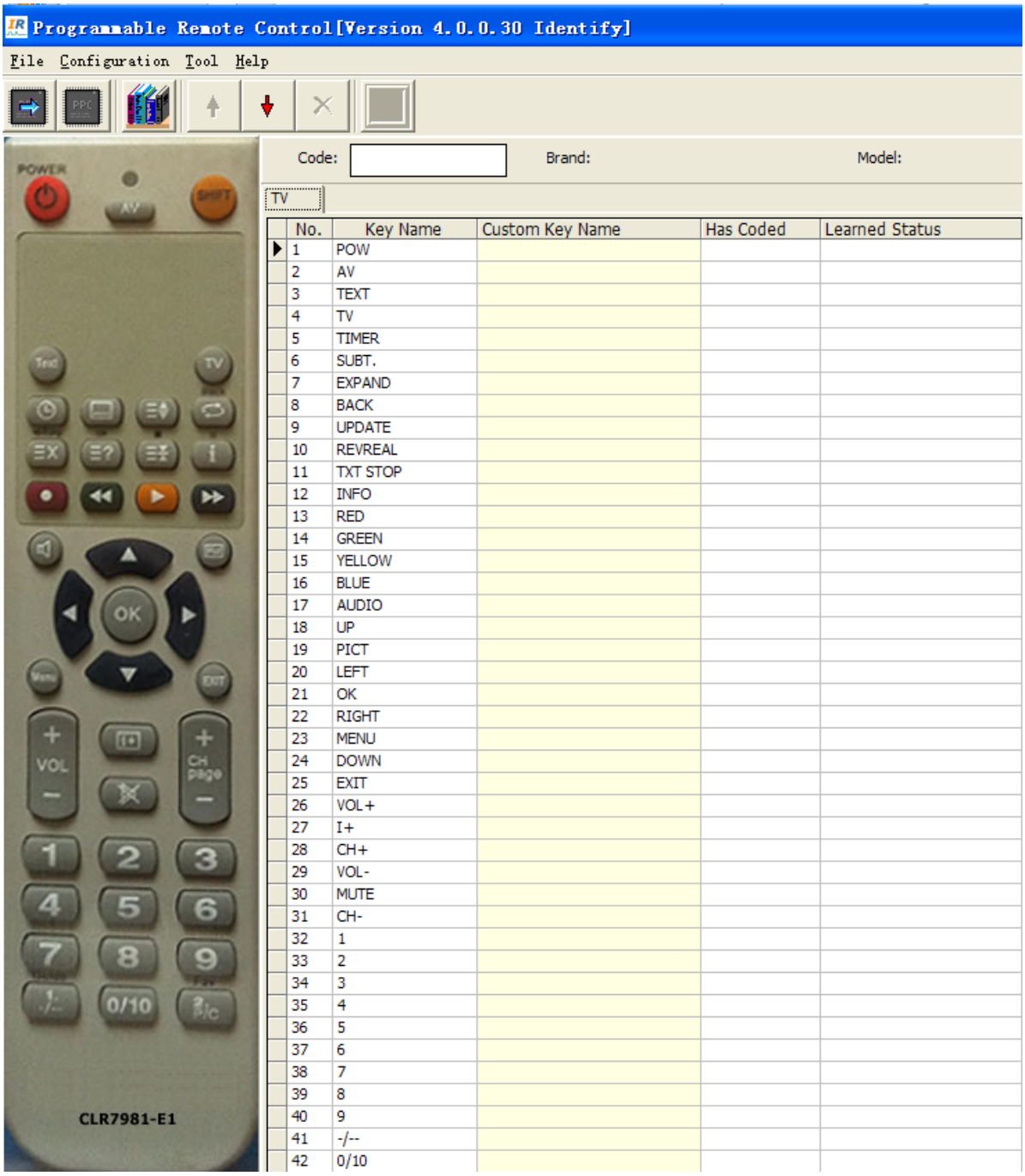
5,Code Program

1) Before program, it should be selected the model of programmable remote control. For V3 version, it has to be selected by hand. Please see below diagram.



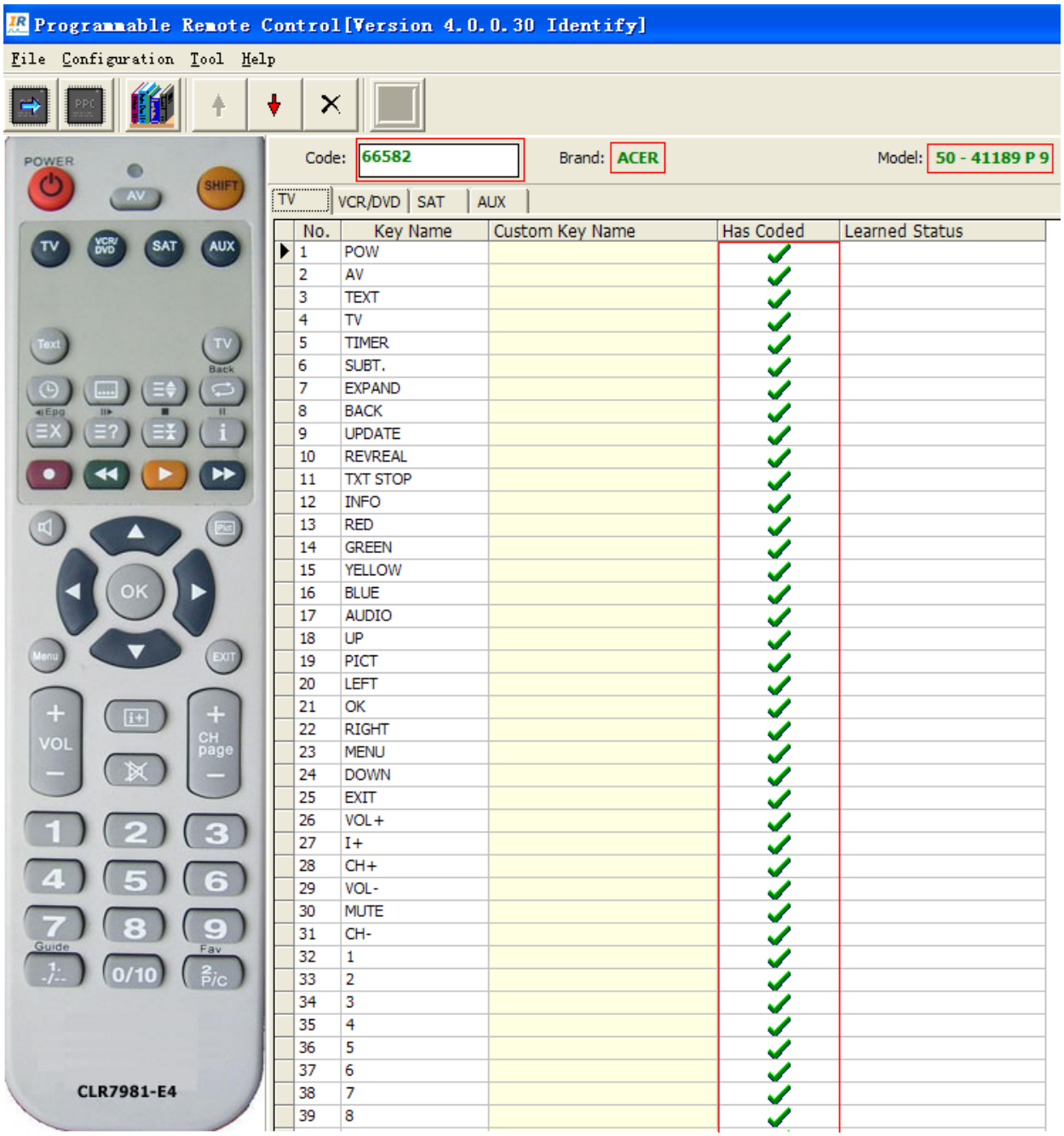


For V4 version, it can be identified by software and adjusted to correct model and photo. Please see below diagram.



No.	Key Name	Custom Key Name	Has Coded	Learned Status
1	POW			
2	AV			
3	TEXT			
4	TV			
5	TIMER			
6	SUBT.			
7	EXPAND			
8	BACK			
9	UPDATE			
10	REVREAL			
11	TXT STOP			
12	INFO			
13	RED			
14	GREEN			
15	YELLOW			
16	BLUE			
17	AUDIO			
18	UP			
19	PICT			
20	LEFT			
21	OK			
22	RIGHT			
23	MENU			
24	DOWN			
25	EXIT			
26	VOL+			
27	I+			
28	CH+			
29	VOL-			
30	MUTE			
31	CH-			
32	1			
33	2			
34	3			
35	4			
36	5			
37	6			
38	7			
39	8			
40	9			
41	-/--			
42	0/10			

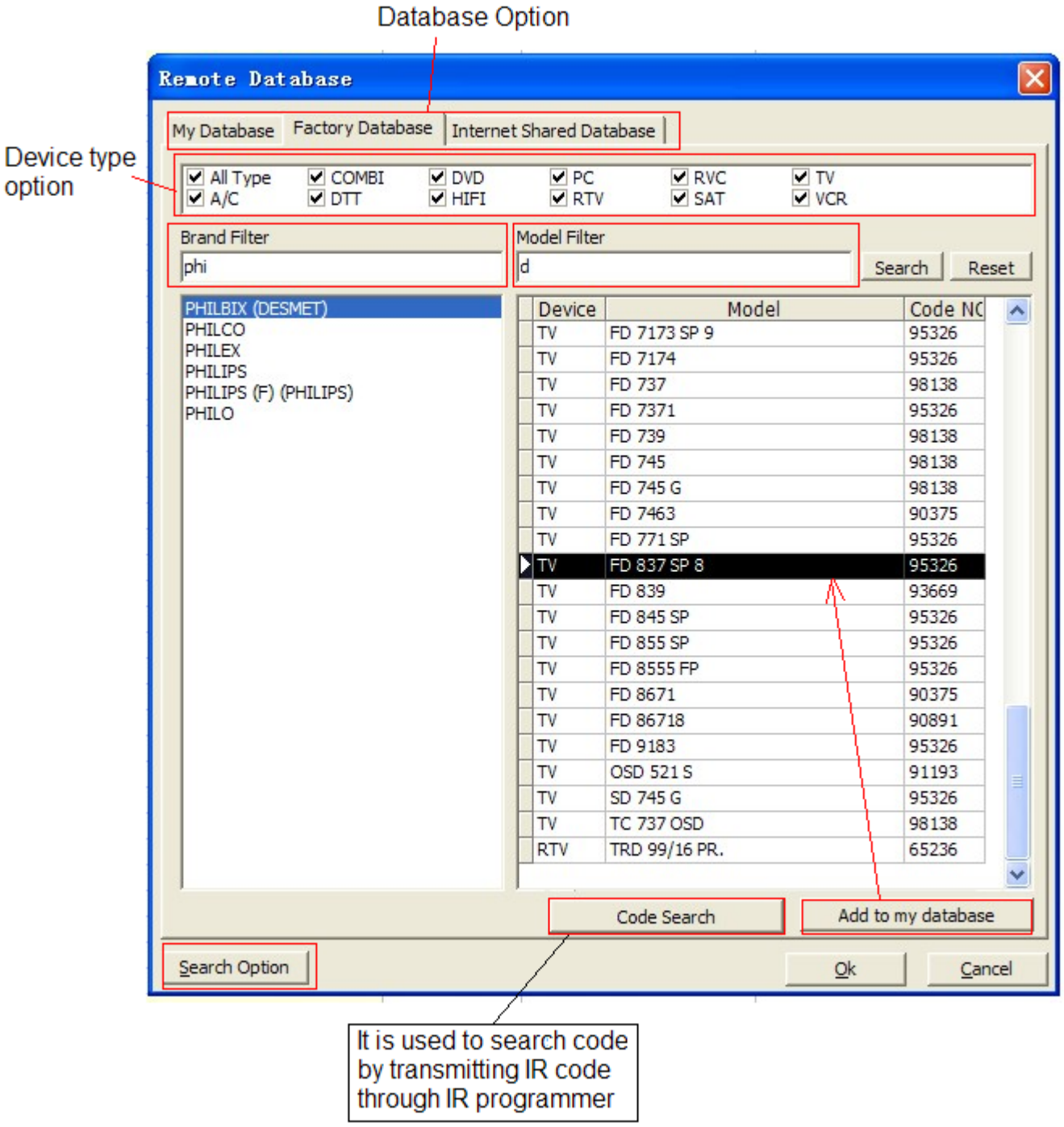
This is the first display, remote control model is CLR7981-E1, if using CLR7981-E4, after identify, it will display below diagram.



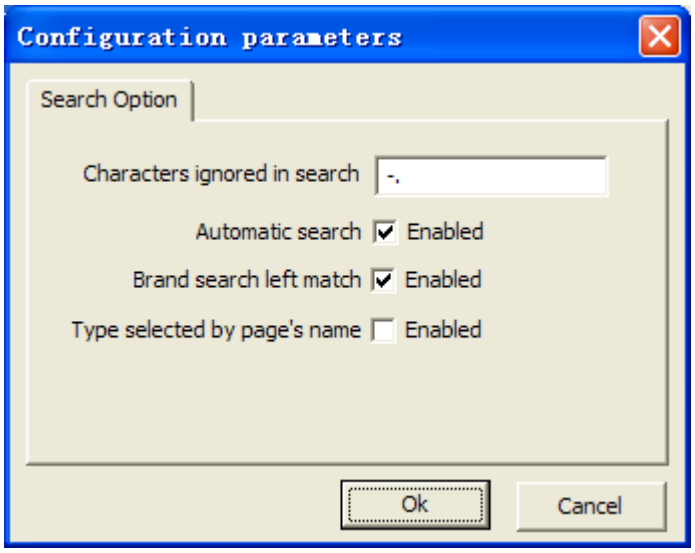
No.	Key Name	Custom Key Name	Has Coded	Learned Status
1	POW		✓	
2	AV		✓	
3	TEXT		✓	
4	TV		✓	
5	TIMER		✓	
6	SUBT.		✓	
7	EXPAND		✓	
8	BACK		✓	
9	UPDATE		✓	
10	REVREAL		✓	
11	TXT STOP		✓	
12	INFO		✓	
13	RED		✓	
14	GREEN		✓	
15	YELLOW		✓	
16	BLUE		✓	
17	AUDIO		✓	
18	UP		✓	
19	PICT		✓	
20	LEFT		✓	
21	OK		✓	
22	RIGHT		✓	
23	MENU		✓	
24	DOWN		✓	
25	EXIT		✓	
26	VOL+		✓	
27	I+		✓	
28	CH+		✓	
29	VOL-		✓	
30	MUTE		✓	
31	CH-		✓	
32	1		✓	
33	2		✓	
34	3		✓	
35	4		✓	
36	5		✓	
37	6		✓	
38	7		✓	
39	8		✓	

2) Search and select code in database

A) Please see photo 1 and find “Database” menu button, after pressing “Database” button, it appears below photo.



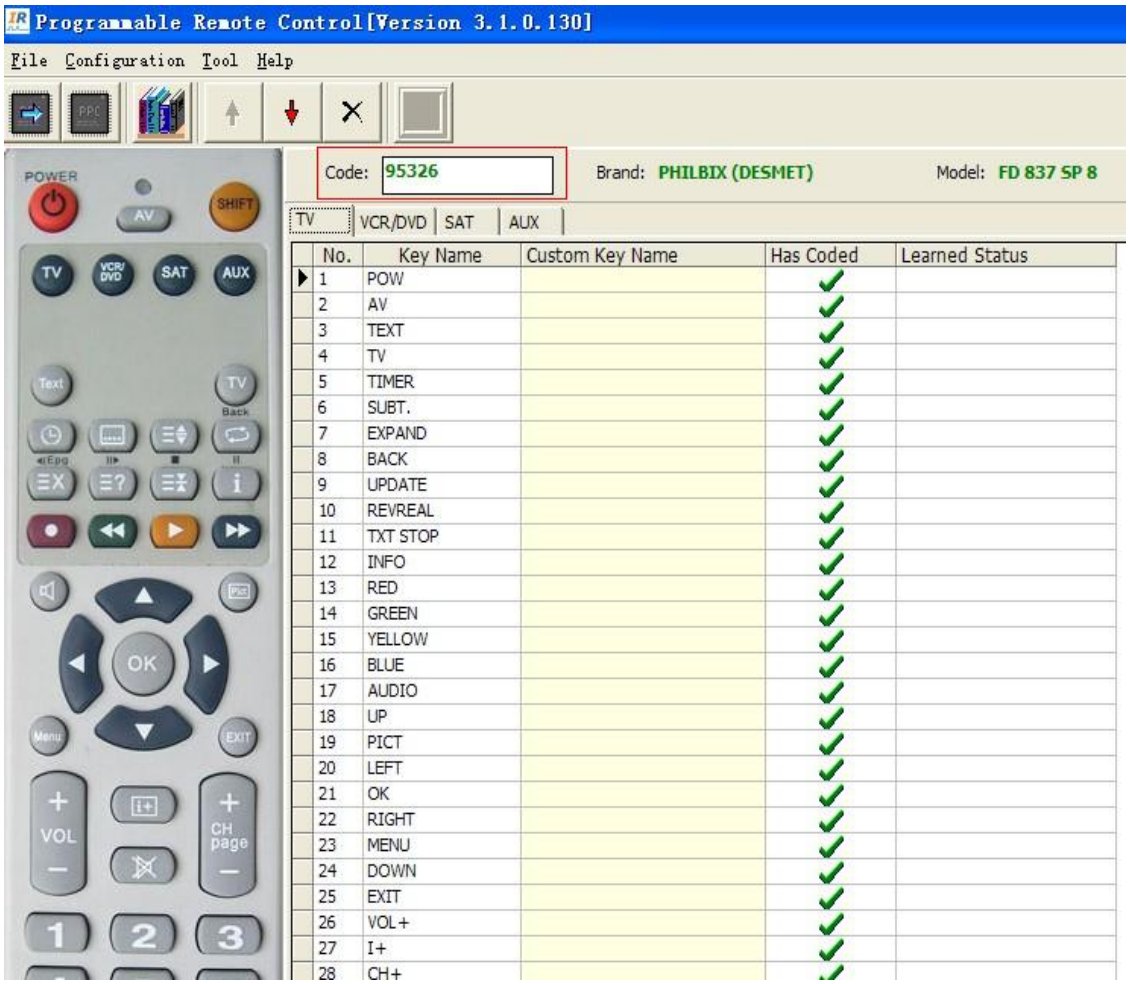
(1) My Database, Factory Database, Internet Shared Database
(2) Device type option
(3) Brand Filter, Model Filter,
The search result is different according to “Search Option”.
(4) Search Option



------Characters ignored in search, this is for Brand filter and Model Filter.
------Automatic search, means the result will change according to the characters entered if "enabled".
------Brand search left match, means it is only searched from prefix if "enabled". If "enabled" is not selected, the entered characters will be searched anywhere.
------Type selected by page's name,

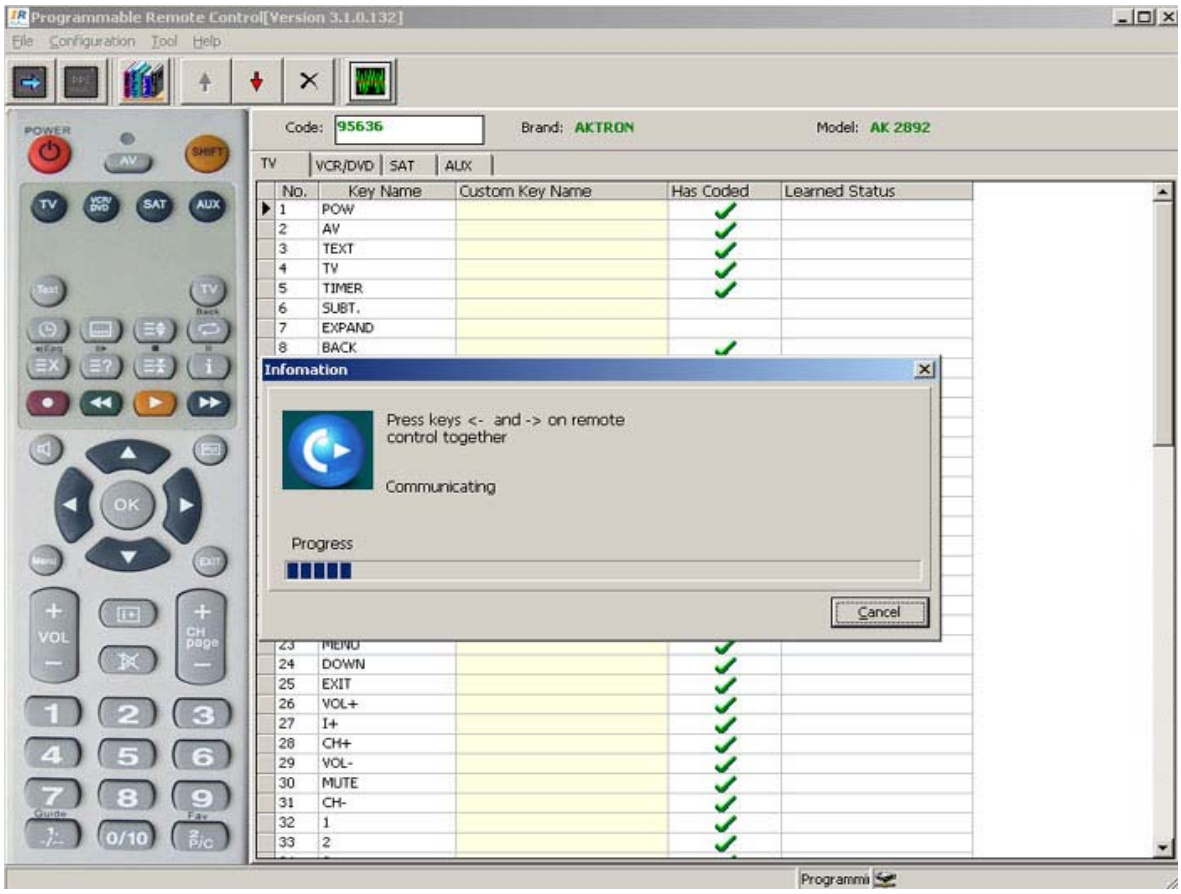
3) Code Search
Please see Item 7, "Code Search".
A) Add to my database
Please refer to Item 6, "Manage database".

B) Once one of code is selected, you can press OK, then it will appear in the list of "Has coded", in the meantime, Code number, brand and model name is displayed.



Then select one code for each device bank as shown above, TV, VCR/DVD, SAT and AUX.

C) Program(write)



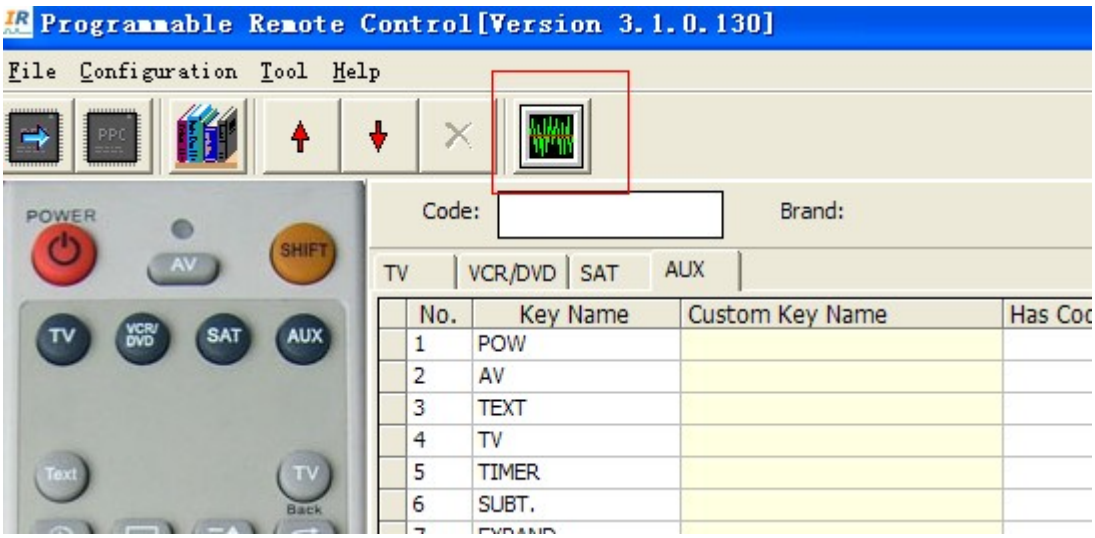
After all codes are decided, press “ Program” menu button, place remote toward the programmer head to head, press ”left” and “right” button simultaneously, then appear above photo. After it finishes, program(write) succeed.

4) Search by code number

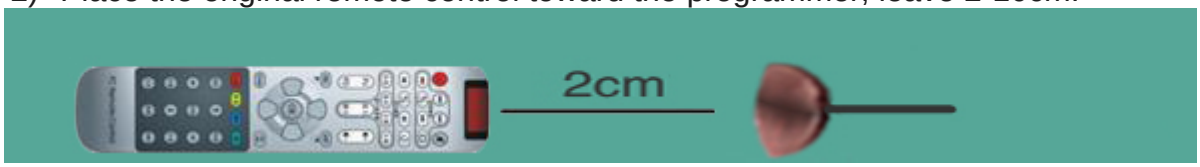
If you remember the code number, you enter the code number, the code will appear in the table immediately.

6, Code Learn

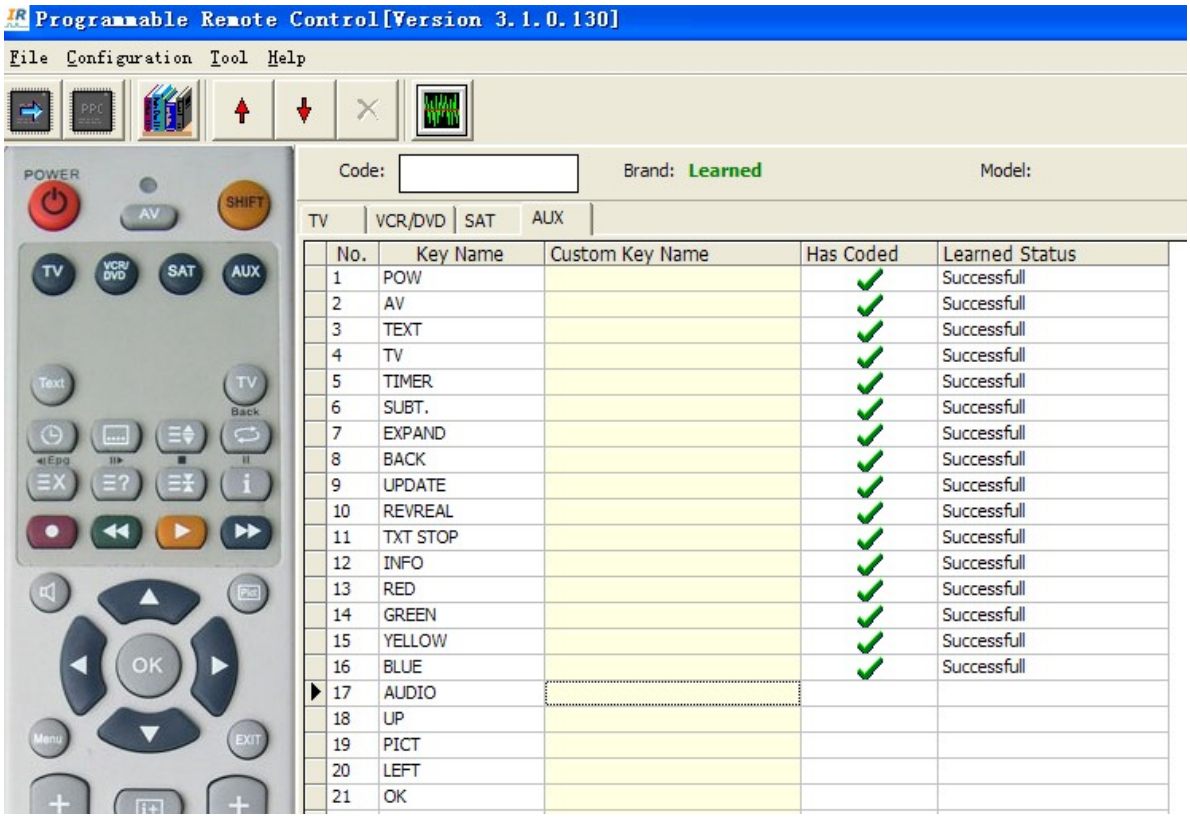
1) Press the learning button in software as below.



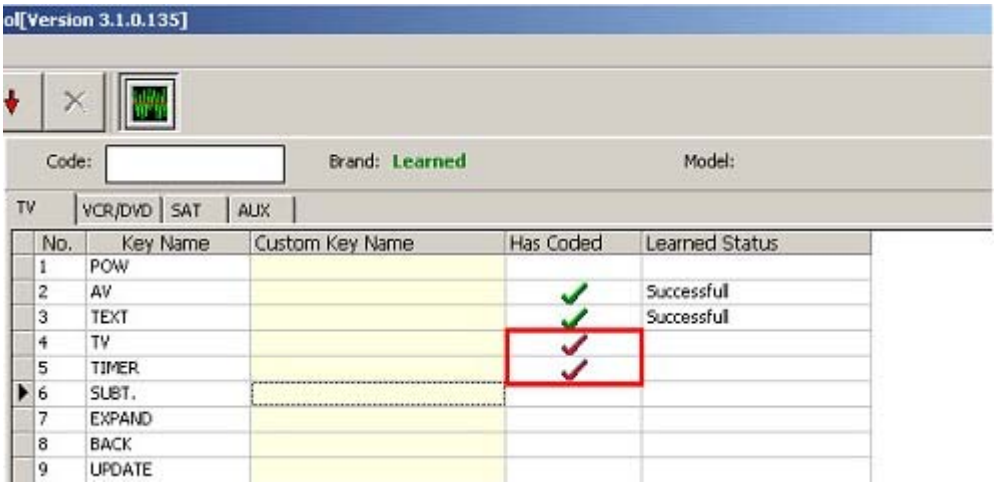
2) Place the original remote control toward the programmer, leave 2-10cm.



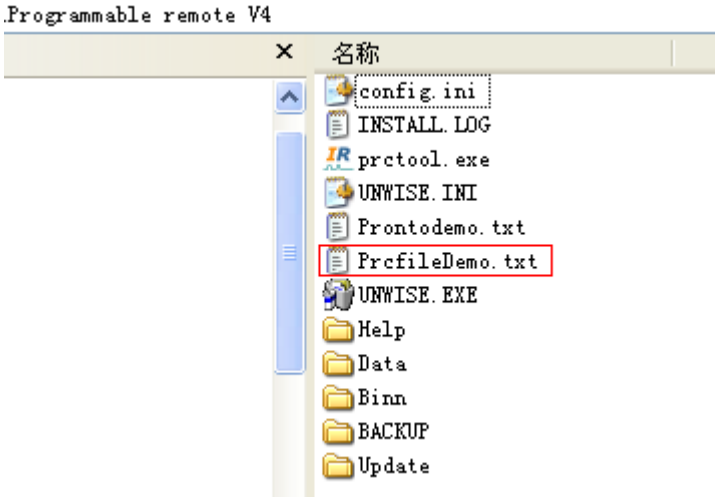
3) Then, place the cursor to the key line you want to learn, then press key. PC receives the IR signal and will display the status of learning result.
4) Exit the learning mode: Press ,then press a key of original remote control to transmit a IR signal toward the programmer in order to let it to exit the learning mode.



If learning result display below photo, red rectangle, it means the learning is not successful or it is the code that can't be programmed.



The learning result can be output to hard disk. Let us see the sample result in install directory ..\Programmable remote V3 or ..\Programmable remote V4,



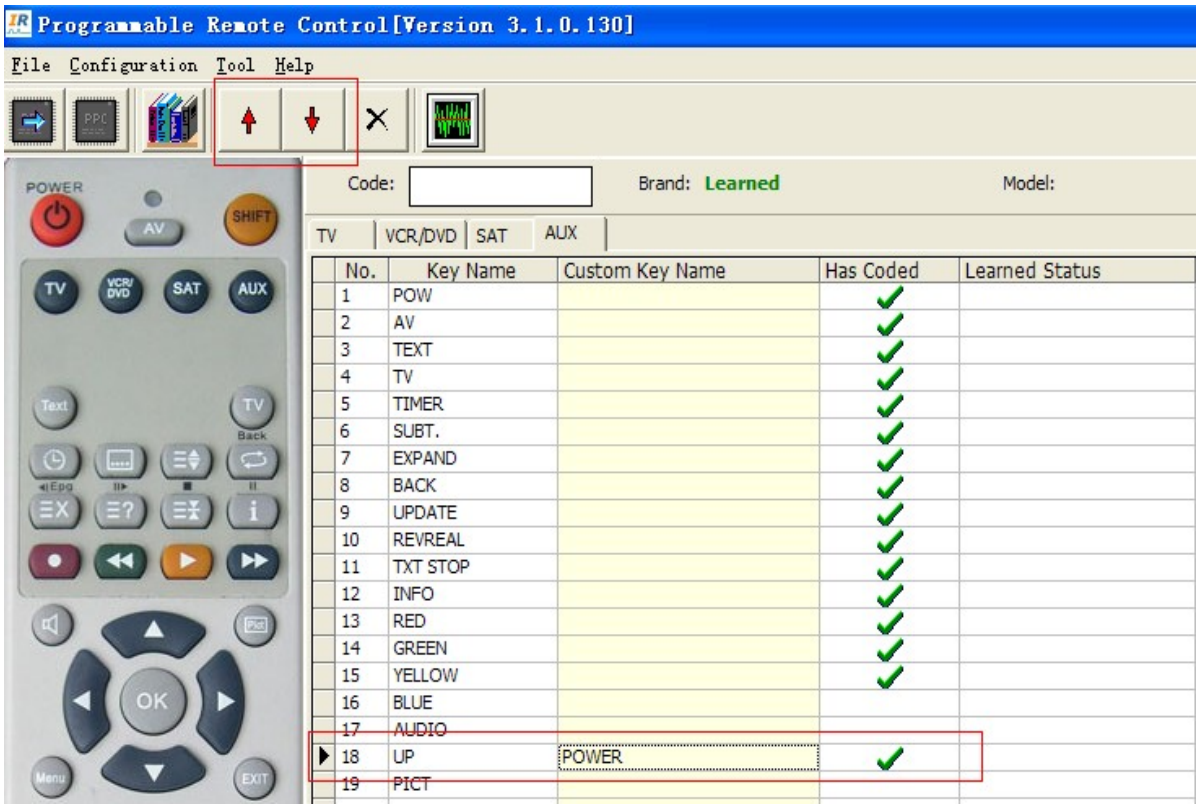
Open it, its content is as below photo.

```
FileFormat=PRCTOOL
Remote control describe=:
  Device=PC
  Brand=UnkownBrand
  Model=33

 Button's counts=4
 0,POW=0031 47 0
 6,1=0040 47 8
 7,2=0040 47 10
 8,3=A881 001E 0022 0000 00FF 000709 0135 0002EA
 0135 0002EA 0135 0002EA 00FF 000709 0135 0002EA
 0135 0002EA 00FF 000709 0135 0002EA 0135 0002EA
 00FF 000709 00FF 000709 0135 0002EA 0135 0002EA
 0138 00548A 00FF 000709 00FF 000709 00FF 000709
 0135 0002EA 0135 0002EA 0135 0002EA 00FF 000709
 0135 0002EA 0135 0002EA 00FF 000709 0135 0002EA
 0135 0002EA 00FF 000709 00FF 000709 0135 0002EA
 0135 0002EA 0138 00548A
 14,7=0040 47 30
```

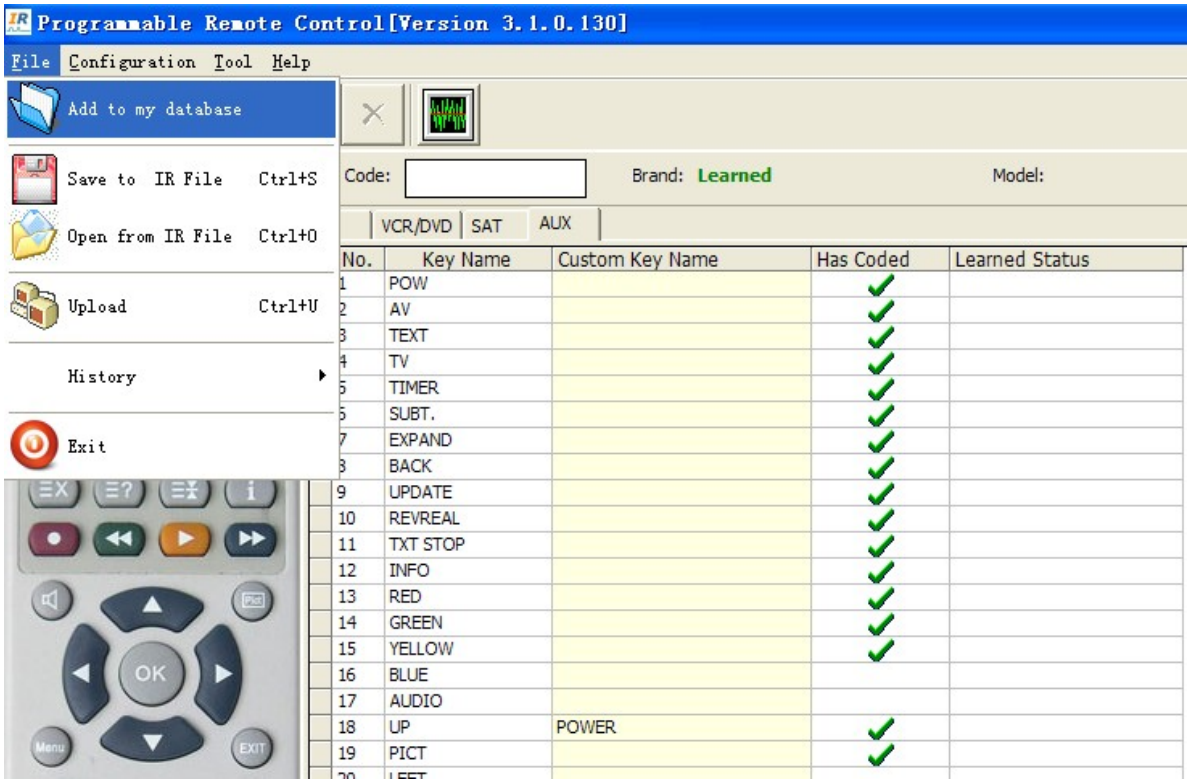
This result in rectangle is a kind of IR wave data, which should be processed then can be programmed into USB remote control. For more detail, please browse supplier's website or remote control data center.

(1) Key code adjust

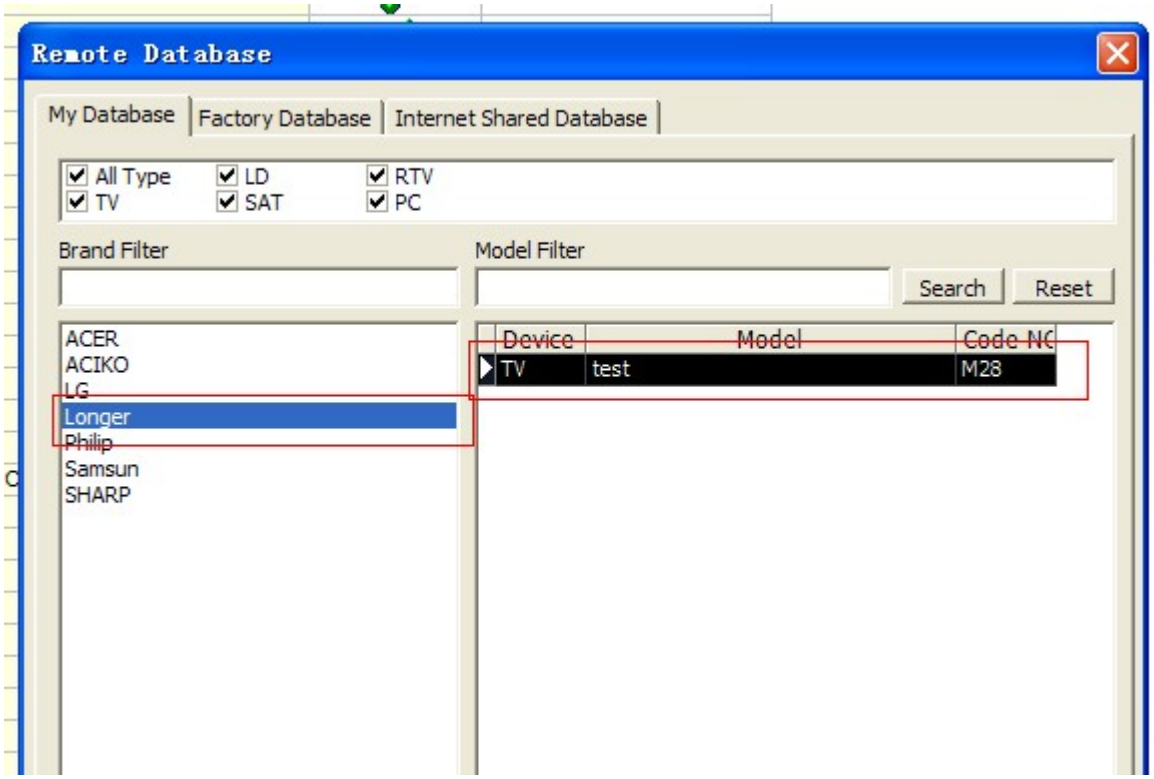


You can add or edit a custom key name, then press "up" and "down" arrow button, that means you adjust the code position.

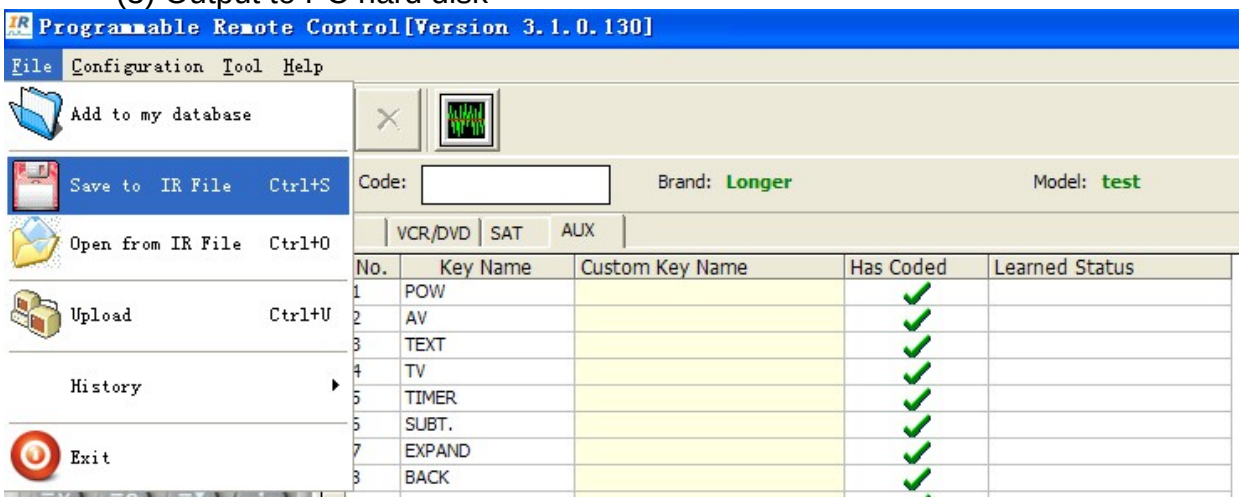
(2) Store to my database

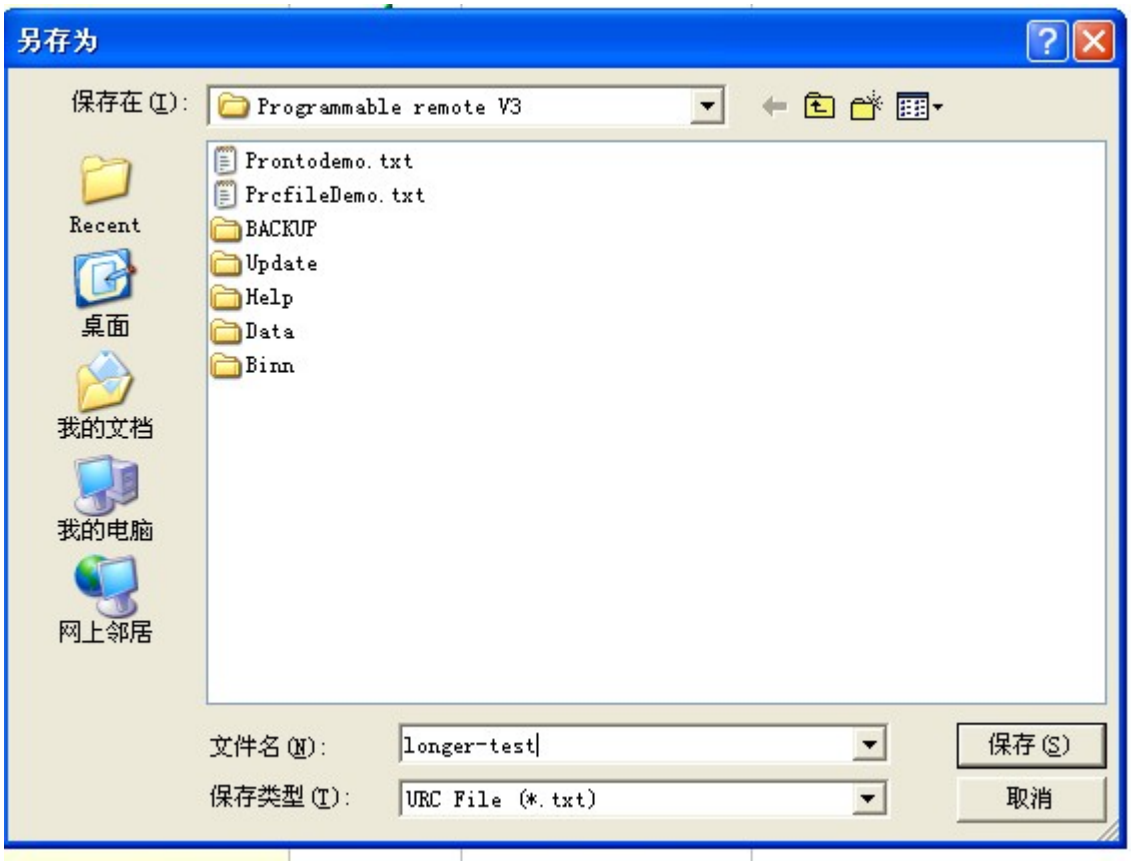


Then, we can find this code record in "My database" as below.

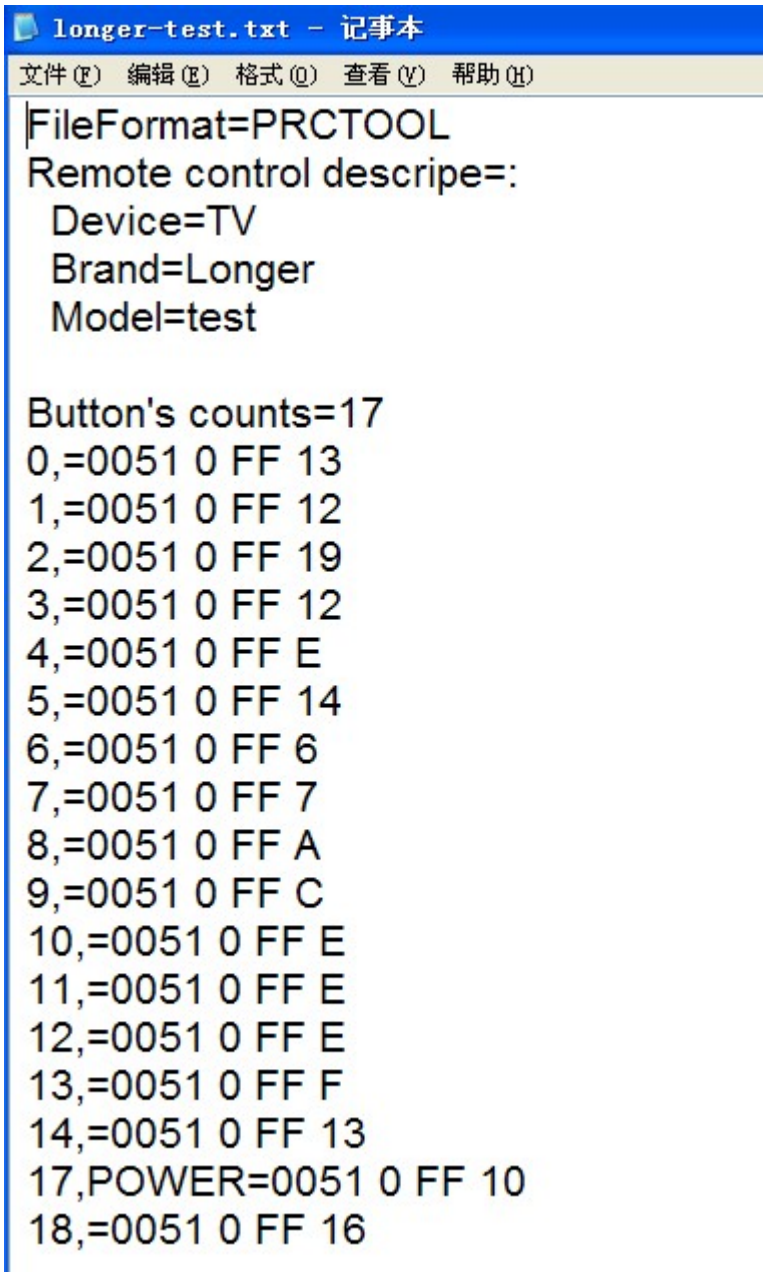


(3) Output to PC hard disk



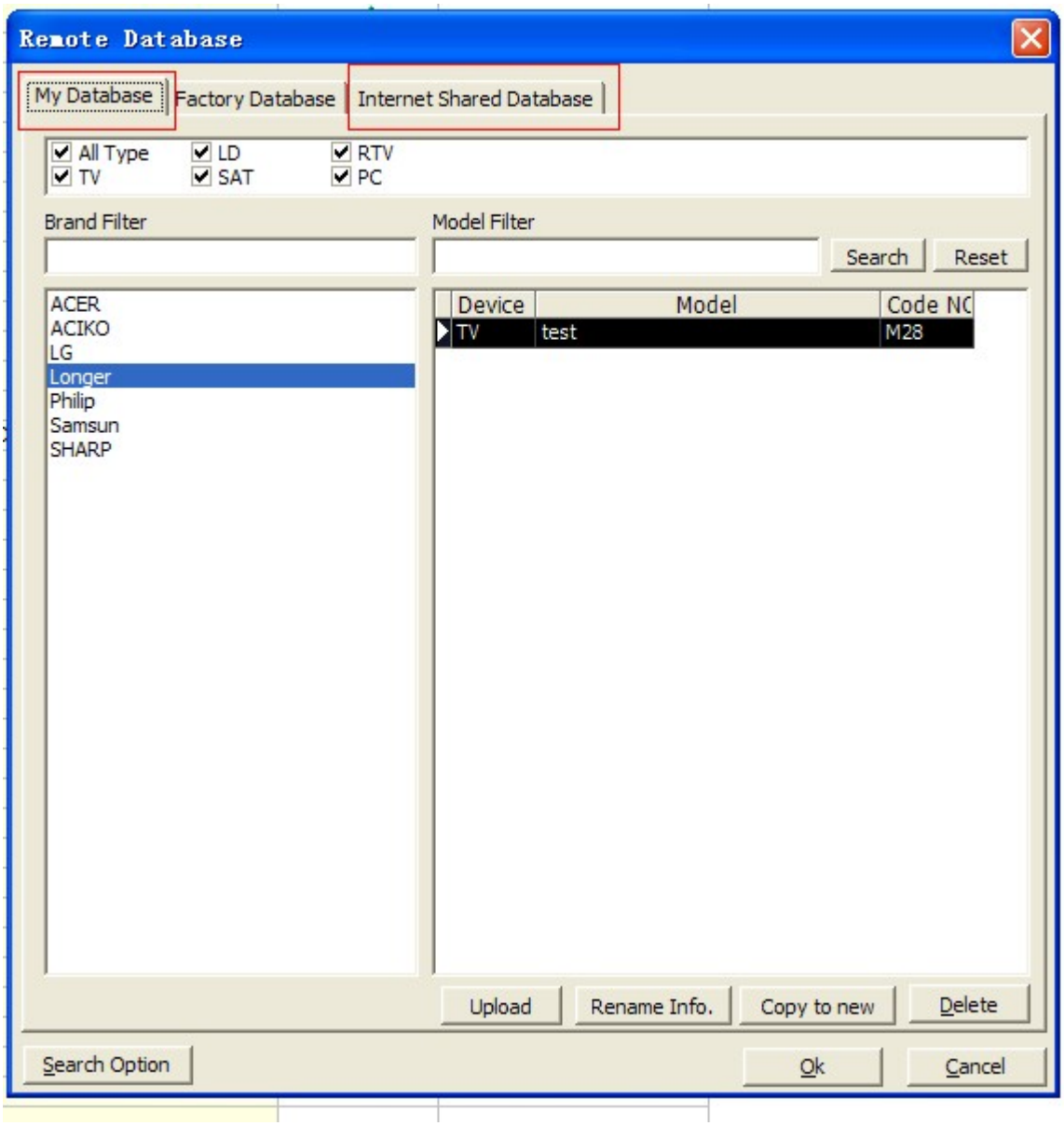


Then you can find the Longer-test.txt file in harddisk. Let's open this txt file, we can see as below.


longer-test.txt - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
FileFormat=PRCTOOL
Remote control describe=:
Device=TV
Brand=Longer
Model=test
Button's counts=17
0,=0051 0 FF 13
1,=0051 0 FF 12
2,=0051 0 FF 19
3,=0051 0 FF 12
4,=0051 0 FF E
5,=0051 0 FF 14
6,=0051 0 FF 6
7,=0051 0 FF 7
8,=0051 0 FF A
9,=0051 0 FF C
10,=0051 0 FF E
11,=0051 0 FF E
12,=0051 0 FF E
13,=0051 0 FF F
14,=0051 0 FF 13
17,POWER=0051 0 FF 10
18,=0051 0 FF 16

7, Manage database

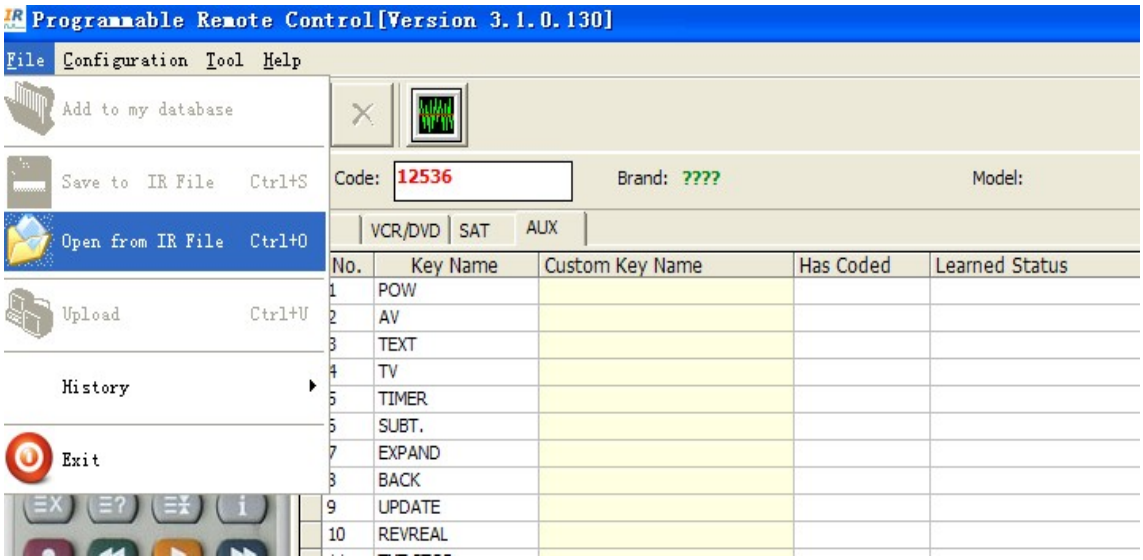
1) The code info in My database and "Internet shared database" can be added, deleted, imported/outputted. It lets the VIP user setup own database.

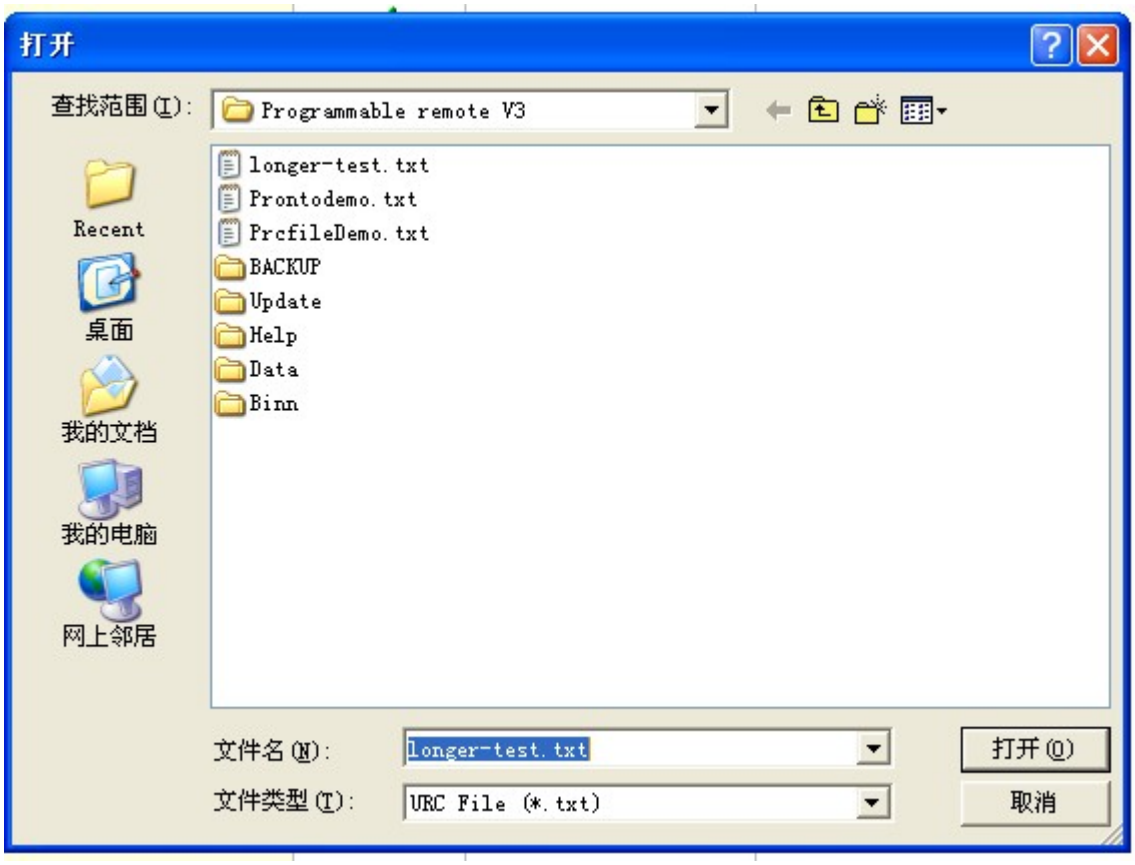


2) My database

2.1) New code in my database can be imported from PC file, "Factory database", "Internet shared database" and learning code.

A. Open from IR file





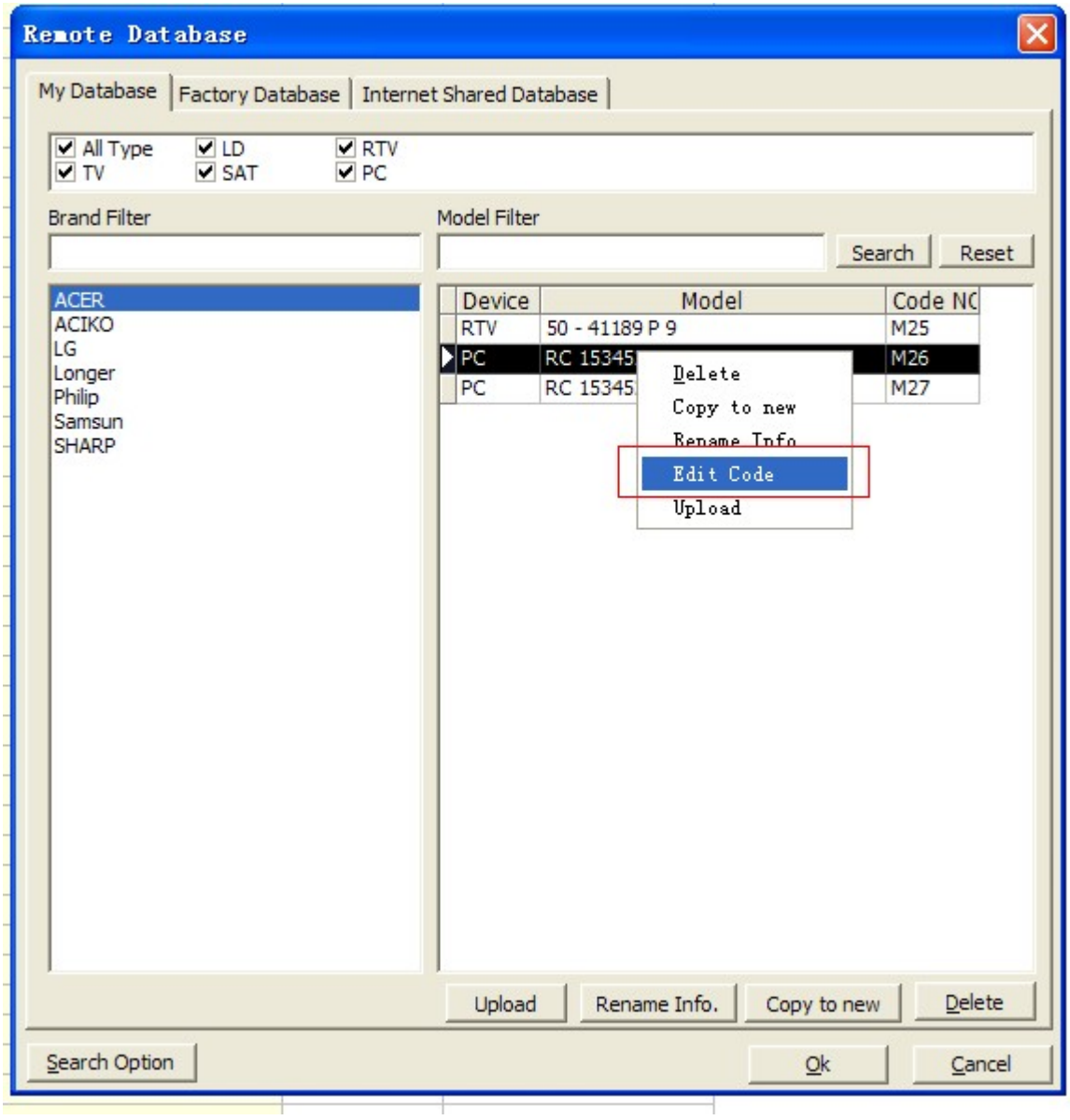
B. Add to my database from "Factory database", "Internet shared database" and learning code

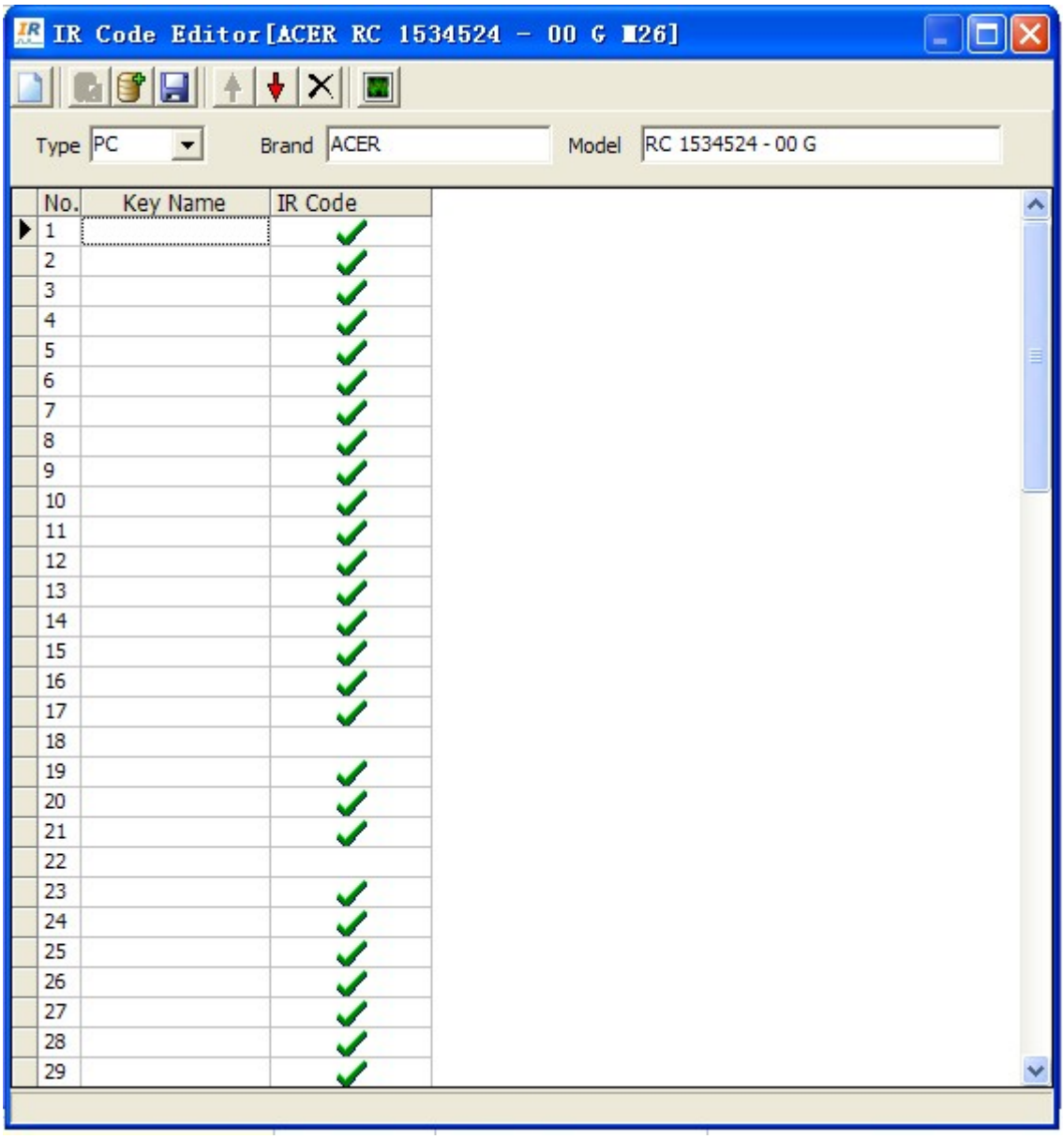
C. Code learn
Refer to item 5 “Code learn” to learn how to get a code by learning.

2.2) Edit the code in “My Database”
Select one code as below photo, click right button of Mouse, it appears below option.

A. Delete

B. Copy to new
C. Rename Info
D. Edit Code
E. Upload

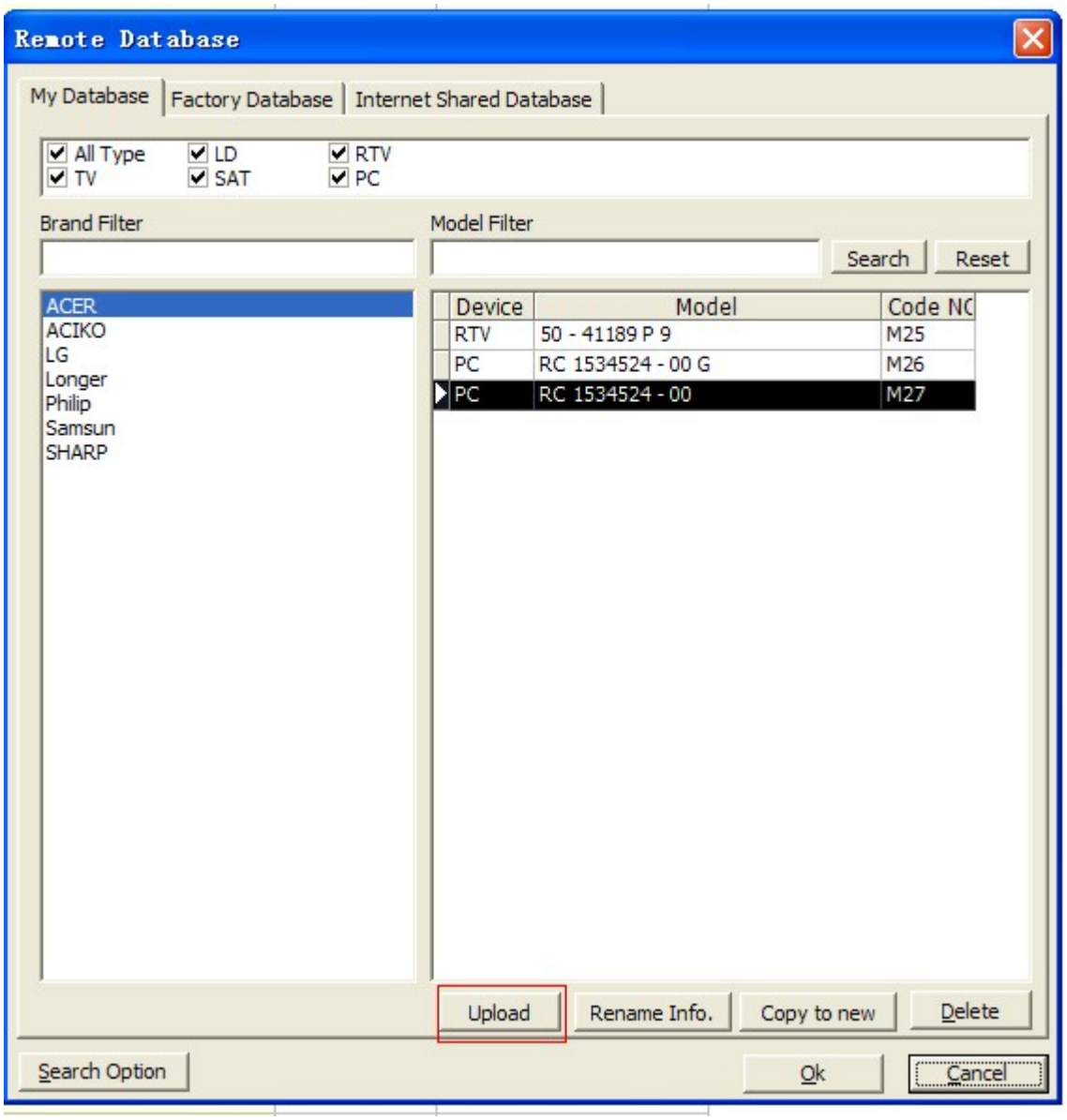


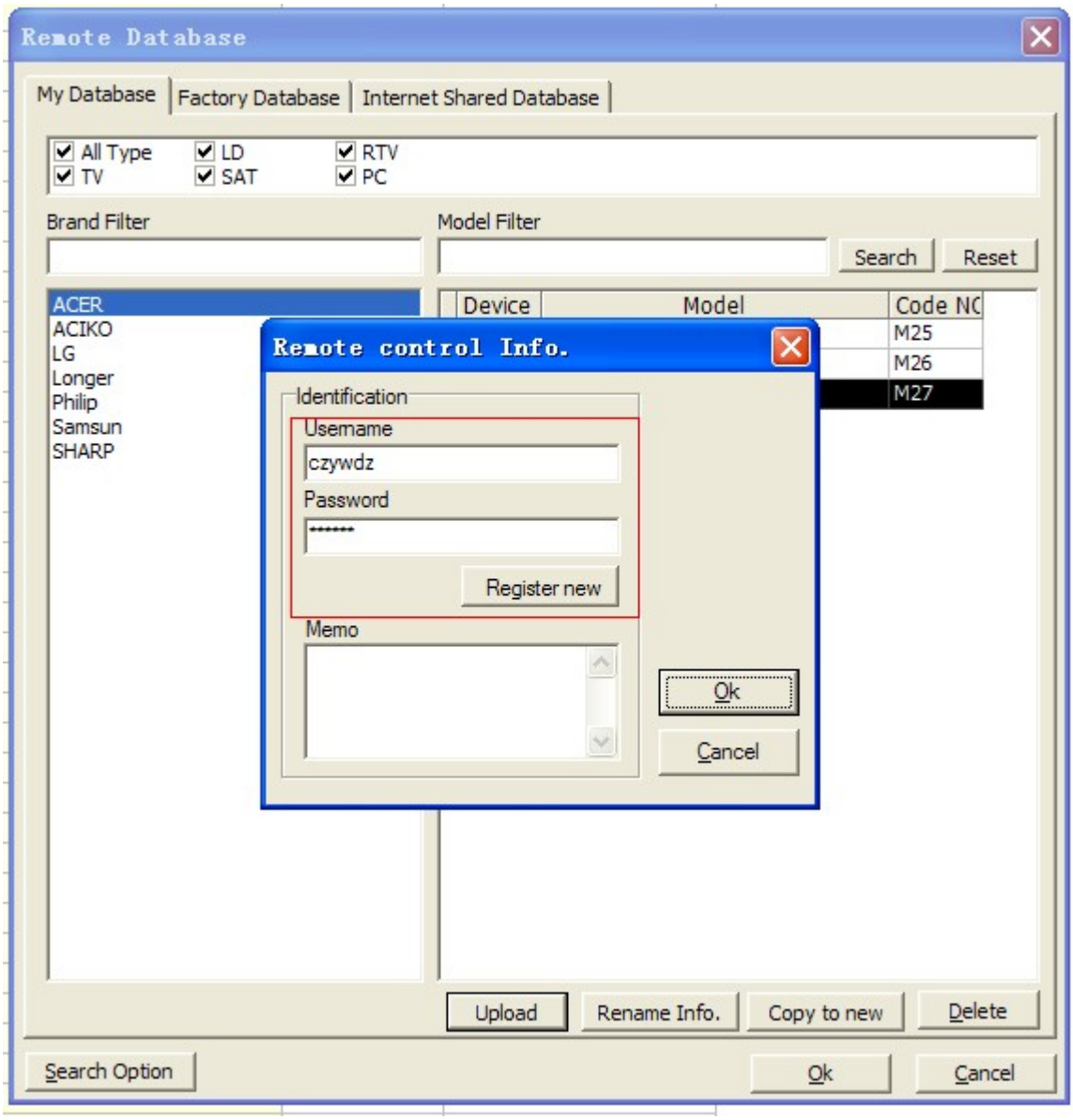


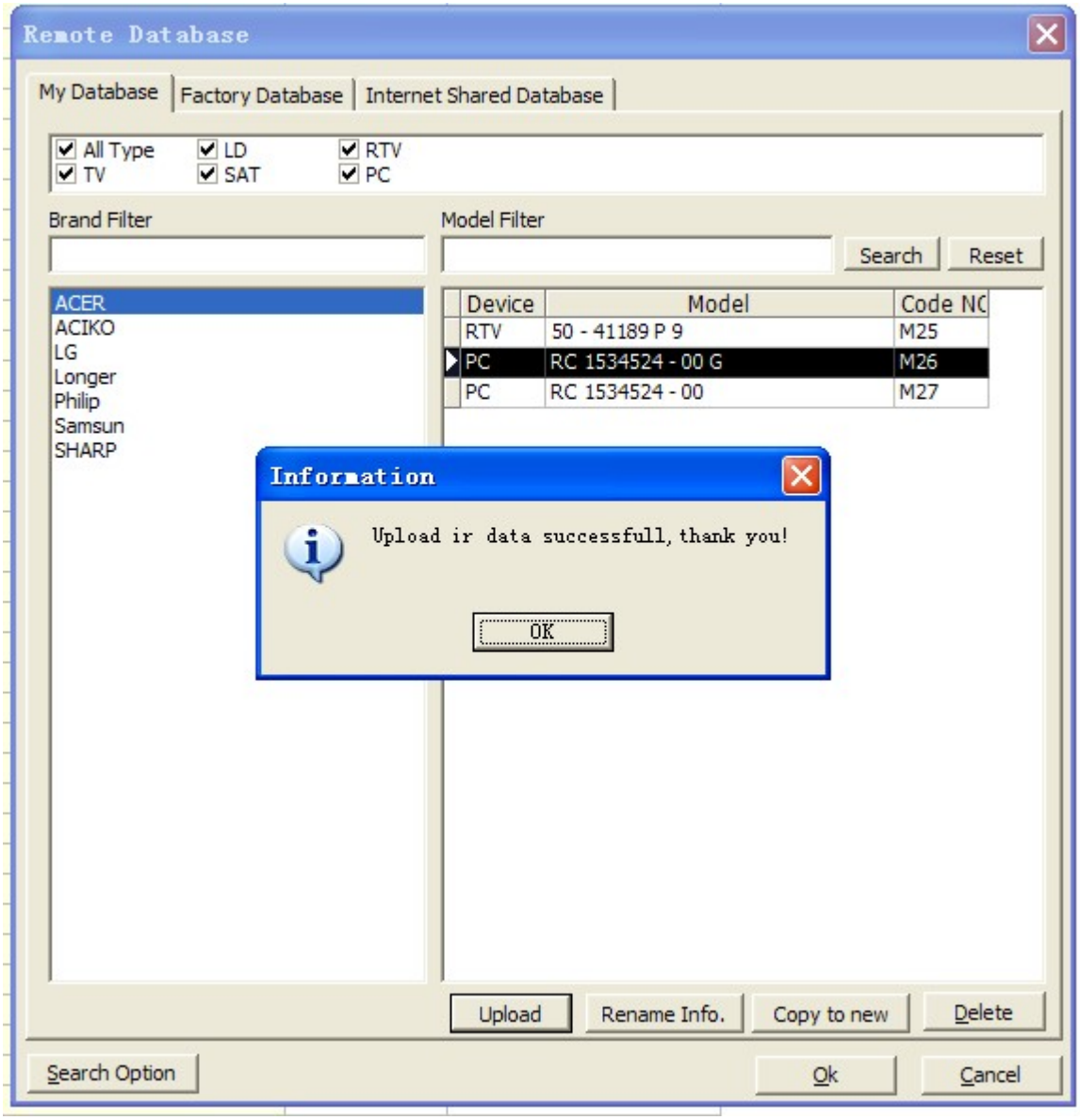
There are below functions to edit code.

A. Save into my database
B. add to my database
C. save to IR file
D. adjust up
E. adjust down
F. delete

3) Internet Shared Database
In My database, any code can be upload to server.


Remote Database
My Database
Factory Database
Internet Shared Database
All Type
LD
RTV
TV
SAT
PC
Brand Filter
Model Filter
Search
Reset
ACER
ACIKO
LG
Longer
Philip
Samsun
SHARP
Device
Model
Code NC
RTV
50 - 41189 P 9
M25
PC
RC 1534524 - 00 G
M26
PC
RC 1534524 - 00
M27
Upload
Rename Info.
Copy to new
Delete
Search Option
Ok
Cancel


Remote Database
My Database
Factory Database
Internet Shared Database
All Type
LD
RTV
TV
SAT
PC
Brand Filter
Model Filter
Search
Reset
ACER
ACIKO
LG
Longer
Philip
Samsun
SHARP
Device
Model
Code NC
M25
M26
M27
Remote control Info.
Identification
Username
czywdz
Password
Register new
Memo
Ok
Cancel
Upload
Rename Info.
Copy to new
Delete
Search Option
Ok
Cancel



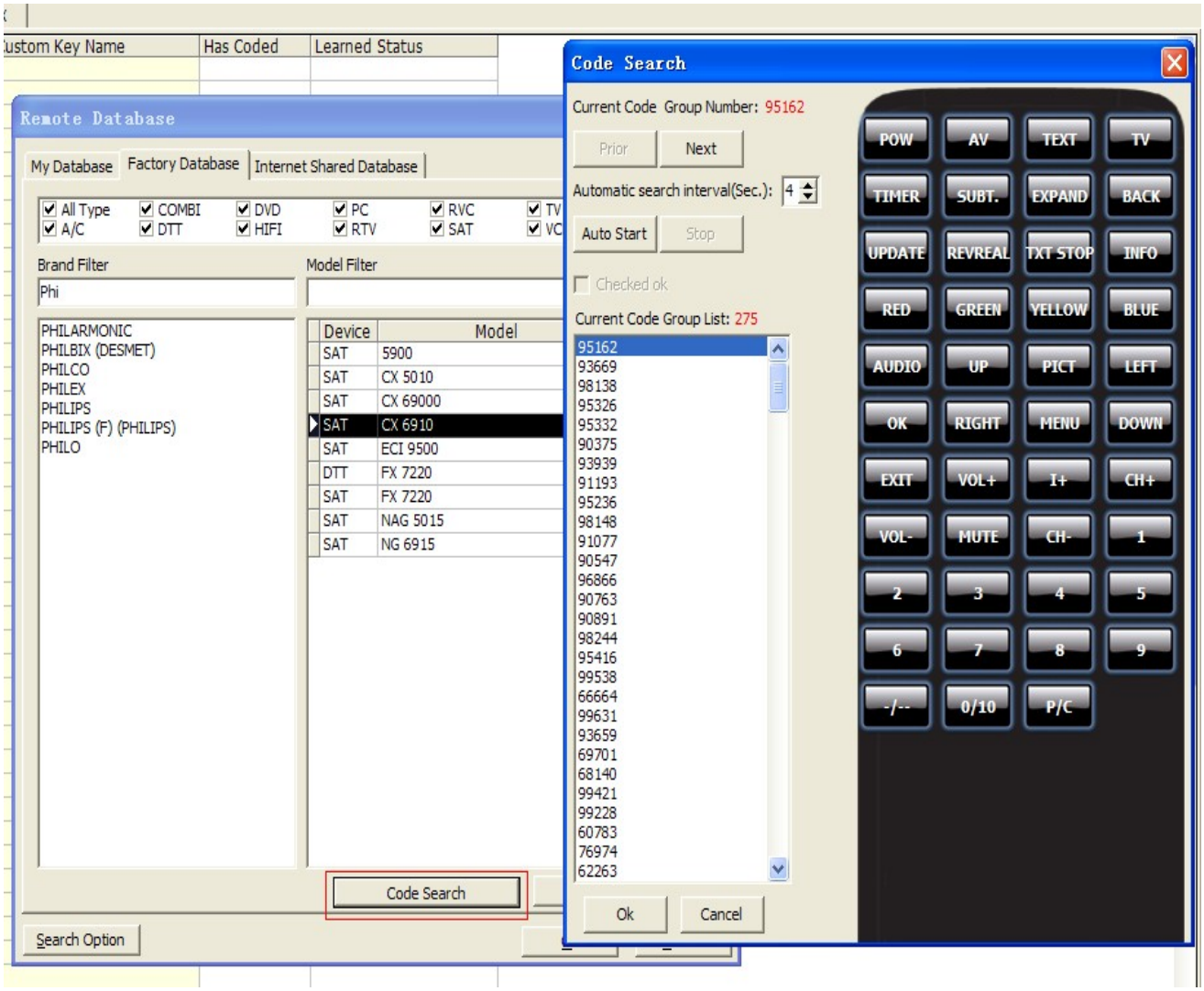
After uploading the IR code, the new code will be authorized by web manager. Once one code is authorized, it will be shown in "Internet shared database" after updating.

8, Code search

If you only know device type (TV,DVD,...), don't know brand name, model name, you can use this function to search the code. When you meet a device, you are not able to find its remote or replacement, please try this function, maybe it can help you.
How to use this function?

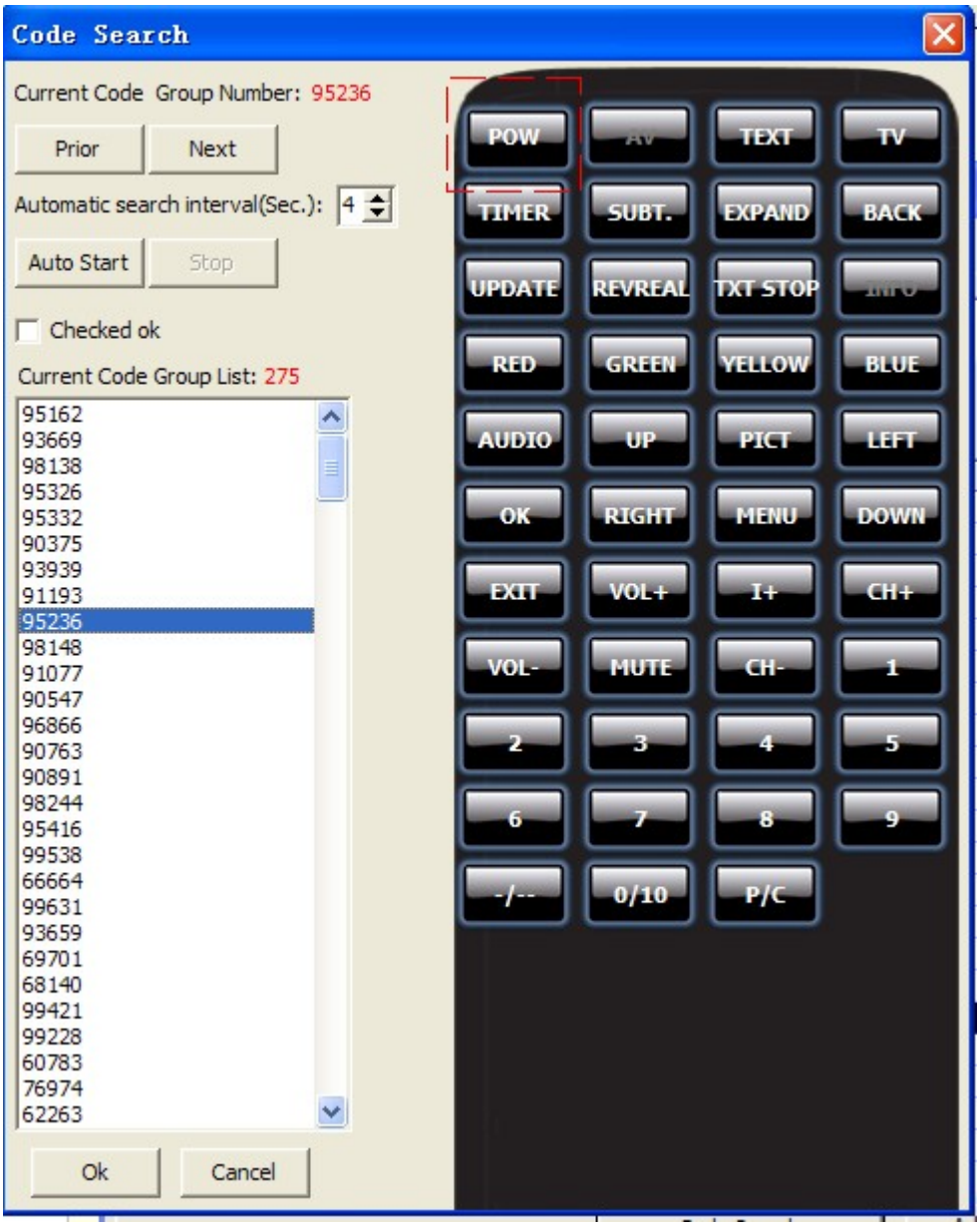
It is very simple. The IR programmer (Model No. must be CLR7090 and others, but it is not CLR7088X) can be used to transmit IR codes to control device. Please see below photo which is used in PC-BASED remote control.

Before using “code search”, you can limit or reduce the range of codes. Please see photo as example.

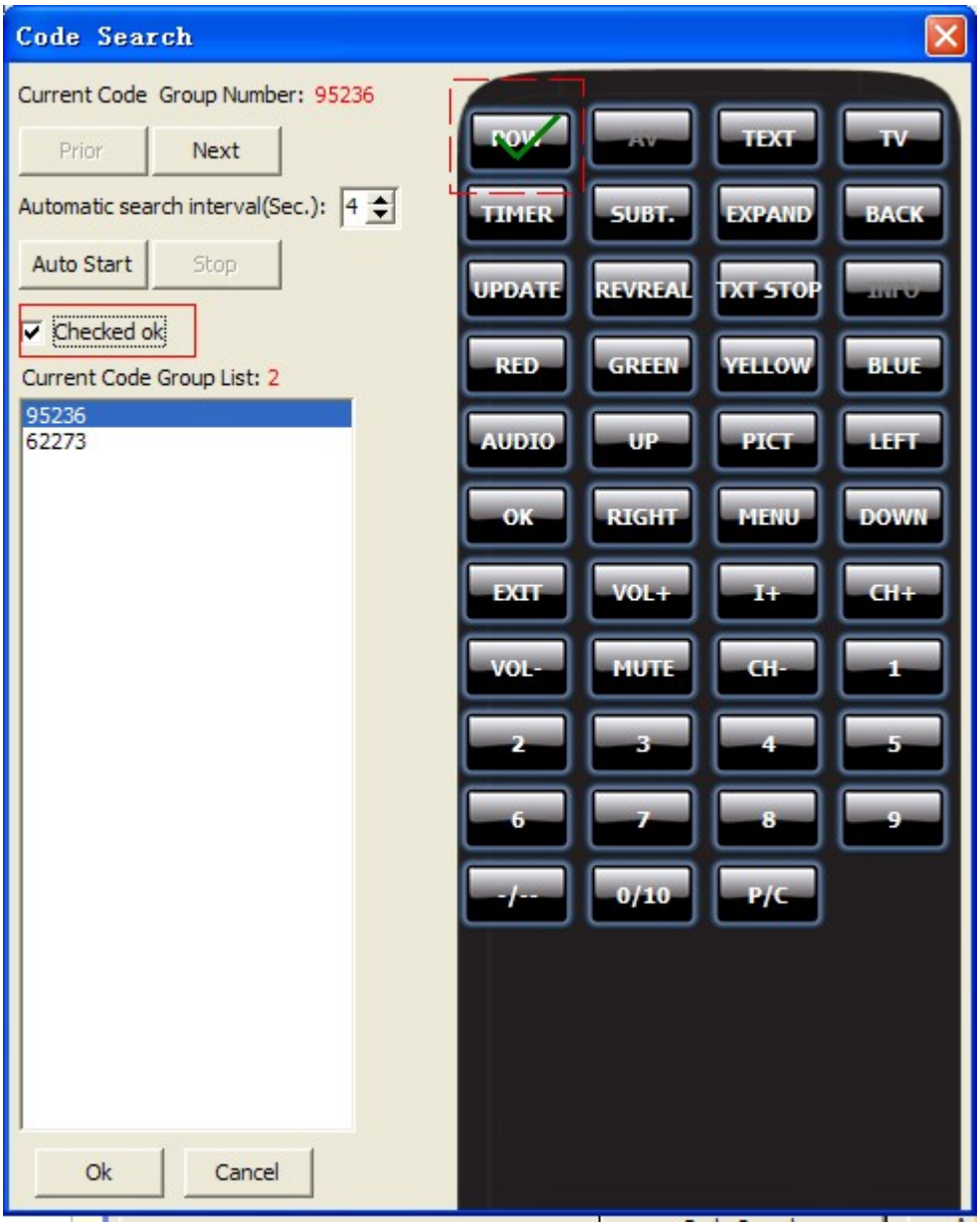


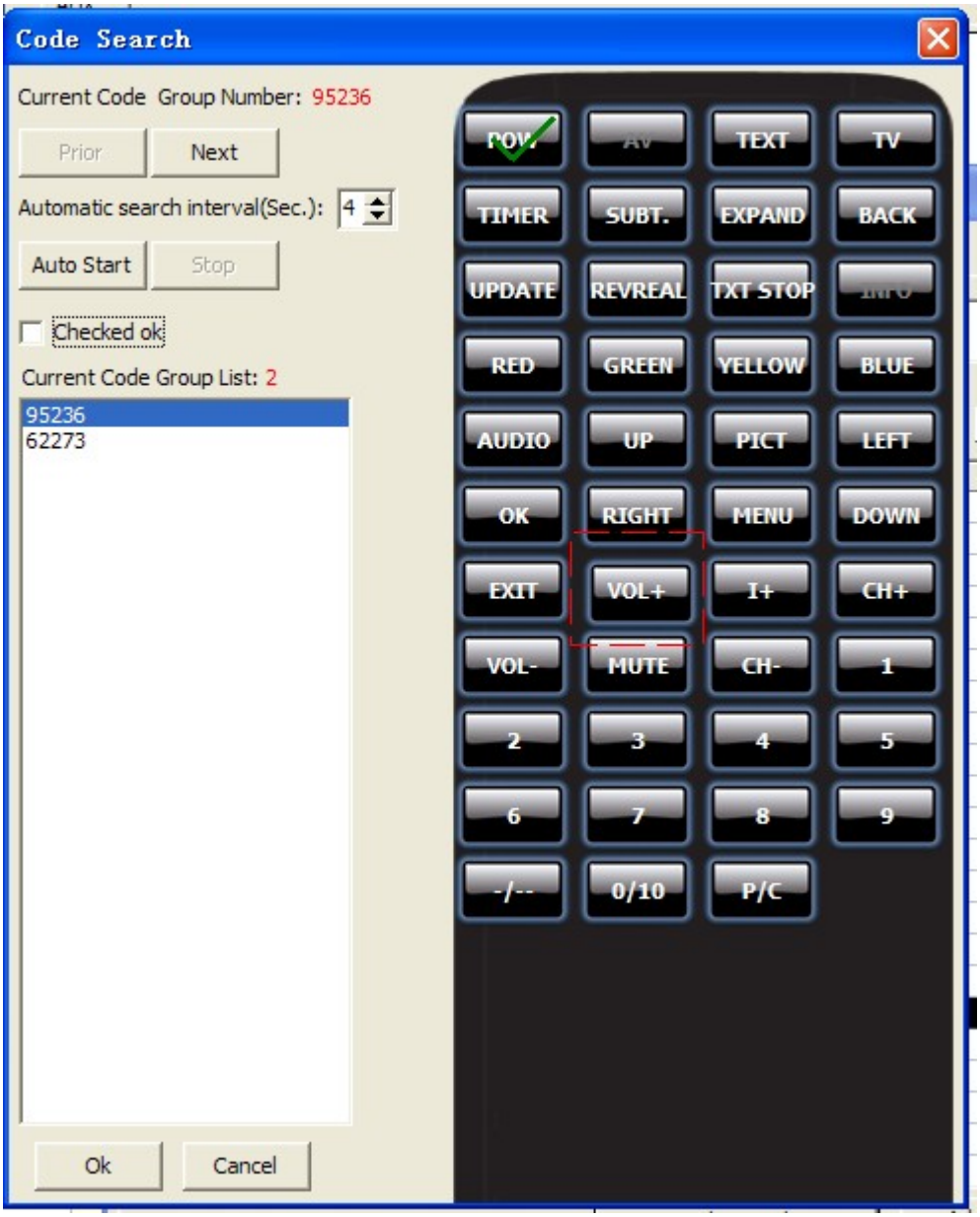
You can use manual search mode and auto search mode. Before search, you'd better set the interval time between 2 codes transmitting. It is from 4s to 9s.

You can select one of keys as the first searching key. After the first key is finished searching, you can select the second key, third key,.... till only one code is left.



When searching, you have to pay attention to the reaction of device. For example, when transmitting POWER code, you have to pay attention to the Power on/off of the device.


Code Search
Current Code Group Number: 95236
Prior
Next
Automatic search interval(Sec.): 4
Auto Start
Stop
Checked ok
Current Code Group List: 2
95236
62273
Ok
Cancel
POWER
AV
TEXT
TV
TIMER
SUBT.
EXPAND
BACK
UPDATE
REVREAL
TXT STOP
INFO
RED
GREEN
YELLOW
BLUE
AUDIO
UP
PICT
LEFT
OK
RIGHT
MENU
DOWN
EXIT
VOL+
I+
CH+
VOL-
MUTE
CH-
1
2
3
4
5
6
7
8
9
-/--
0/10
P/C



After finding the first key, you select "Checked OK" . You can choose the second key as search key.

9, How to find the codes inside or outside the database?(professional version)

Normally, distributors or retailers often meet below problems.

1) You can't find the device brand or model number in the database.
2) Only know the device brand, but DON'T know the model number.
3) Only know DEVICE type (TV, DVD…), DON'T know brand and model number.
4) Some key codes that you find in the database are lack.

Solution 1:

1) Please refer to Item 7,"Code Search".
2) In order to use "Code Search", you have to prepare the device which remote codes have to be looked for.
3) Place programmer or USB remote toward to the device.
4) Use the "Code Search" function in software till you find the codes.
5) After you find one key code can control your device, maybe its key name is different from the function. Then you can test other key if they can control the device.
6) If you use cable mode programmable remote software, you also can see the IR code protocol and key data. You can edit the key data to test your device.
7) After you find the code, you can add it into "My database", then adjust the key position to correct function. In the meantime, adjusting brand name, model name and so on.

(Note: For IR mode and USB programmable remote software, the reason that we don't open the protocol details is that the protocol quantity is too many and many protocols are too complicated. If you are interested in researching it, please write to us or login to forum.)

Solution 2:

1) Use one universal remote control to search it, or you can find the code in other brand of programmable remote.
2) If you can find one key or some keys which can control your device, then you can learn these key code into programmable remote software.
3) Open the code file from "My database" and edit it.
4) Then program(write) to programmable remote and test it.

Solution 3:

1) Search the code in website, such as **www.remotecentral.com**, **www.hifi-remote.com** and other website or forum.
2) If you can find the code in website, you can try to get its protocol, key data.

Solution 3:

Look for the support of original device company.

Appendix:

Remote code source: (Only for reference)

- ORIGINAL REMOTE CONTROL
- Other brand of PC PROGRAMMABLE REMOTE CONTROL
- Universal Remote Control
- Other brand of PC programmable control:

- UEI series
- Philips series
- Logitech Harmony series
- VISA
- Pilot
- CME
- G.B.S.
- Ruwido

10,Some useful skills

1) Reset to factory setting

Fill in “test” in the brackets, then program to remote control.

2) Test if the programmed code into remote is correct.

In order to test if the remote is fine, please follow below instruction.

(a) Reset to factory setting

(b) Restart software and make sure the key table is blank.

(c) Use “Code Learn”(Item 5) to learn each key code to key table.

(d) Save to IR file. Refer to Item 5-5) output to PC hard disk. Name its file to be “Test-new.txt”

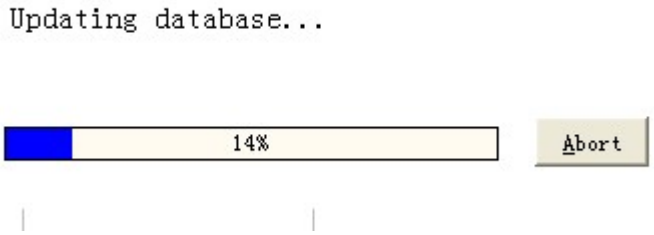
(e) Identify (Read) the remote code, or save “Test” code into PC file, also name it to be “Test.txt”.

(f) open “text.txt” and “Text-new.txt”, compare its content, check if the key codes inside is same.

(Note: Above is only an example. User can use other codes to test and compare. This method is either to test remote control, or to test the content inside the remote)

11, Others

1) Updating

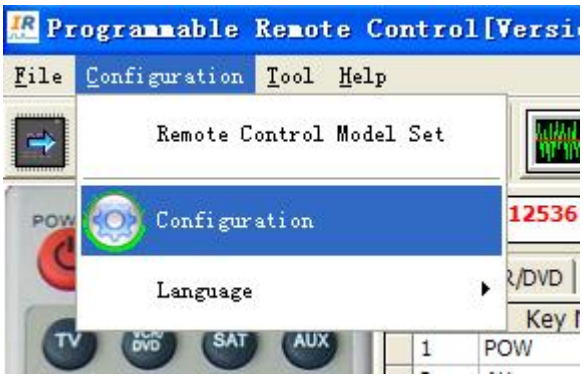


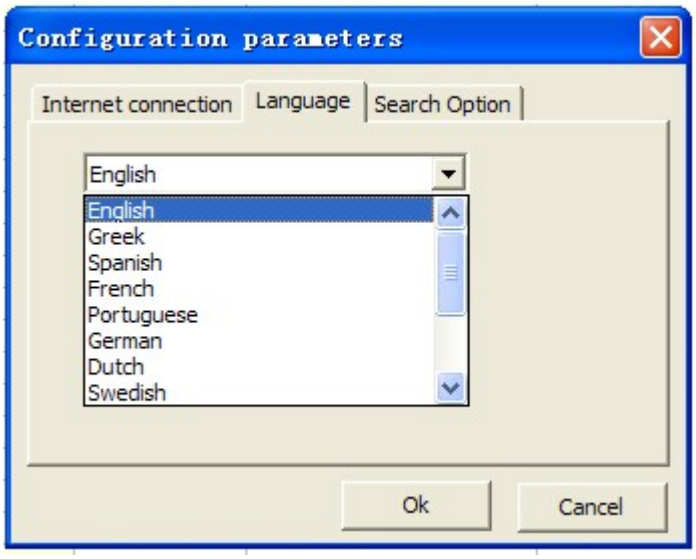
2) About

About
Programmable Remote Control Version 3.1.0.130
Last updated Data: 27/04/2011
Copyright 2010 Longer Electronics Corporation
http://www.clurc.net
czlyw@vip.163.com
Programmable Remote Control

3) Language

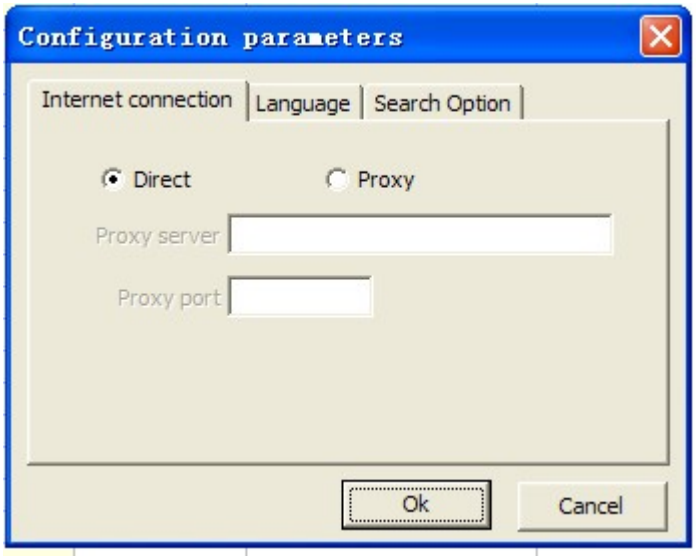
Programmable Remote Control[Version 3.1.0.130]
File
Configuration
Tool
Help
Remote Control Model Set
Configuration
Language
97840
Brand: AGFAPHOTO
English
Greek
Spanish
French
Portuguese
German
Dutch
Swedish
Finnish
Hungarian
Turkish
Italian
Romanian
OK
MENU
EXIT
TEXT



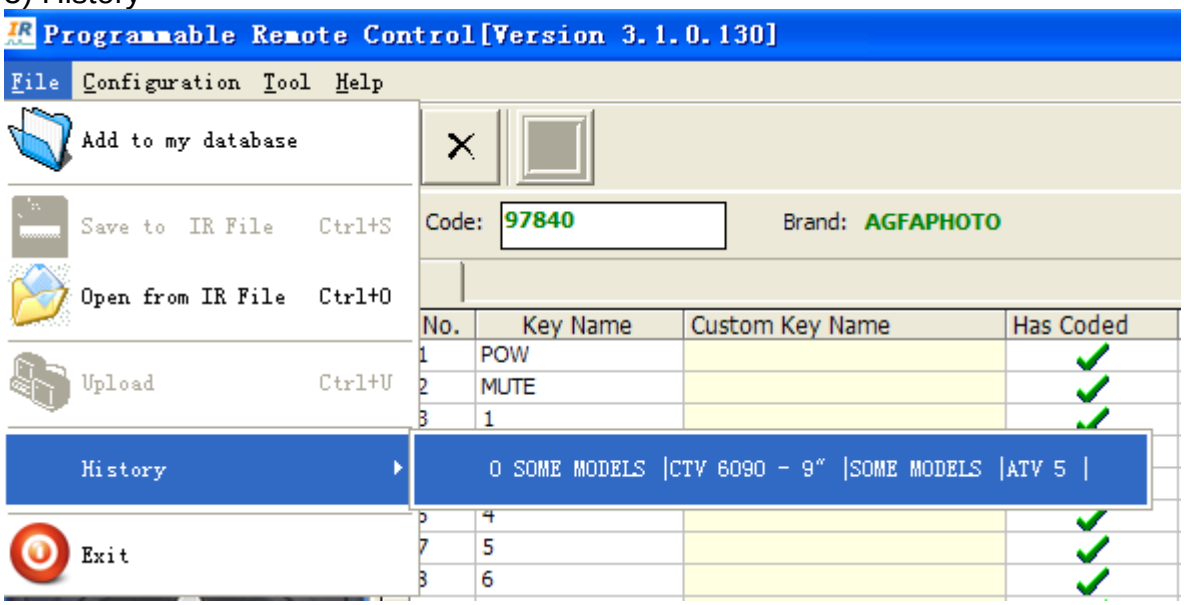


4) Internet proxy setting

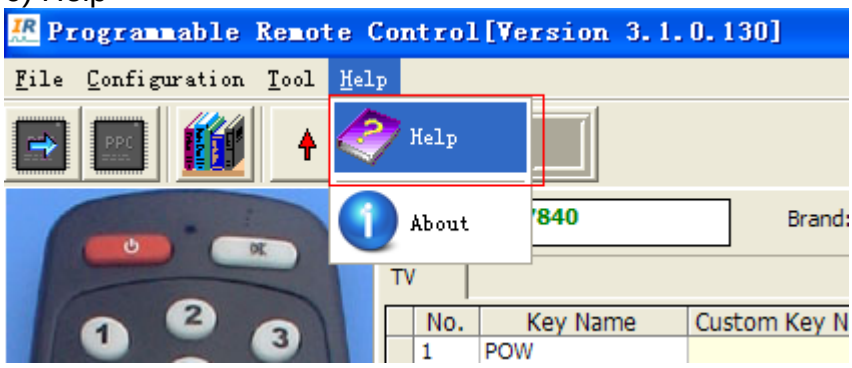
Only when updating, PC is needed to connect internet. If no proxy is set, it uses direct mode to connect web server. Otherwise, it needs to be set proxy parameter.



5) History



6) Help



12, FAQ

1) How to test the remote control to be fine?
Answer: (1) If installing 2pcs AAA battery correctly, the LED of remote control will flash once. That means this remote initializes well.
Refer to item 9.2.

2) Why doesn't the LED flash when pressing some keys?
Answer: It is correct, because there is no key codes in some keys.

3) Why does the programmer flash continuously?
Answer: It is normal.

4) How to get more support?
Answer: Please contact your direct supplier.

13, Customization(professional version)

1) How to customize the remote and software?

Please refer to *Explanation of customized remote and software.*

2) How to setup own website and support customers?
First, you have to apply a domain name, such as **www.google.com**, and web server storage.
Second, you design a website or forum. Place the customized software into website, also including help file.

3) How to collect own IR codes and add it into database for customers to share?
A) Use “Code Learn” function to add IR code into “My database”.
B) Use “IR Reader” tool to collect IR code into software, then output into the software of PC programmable remote.
C) Use “IR Reader” tool to import other codes, which is output by others, or Philips IR data, or other famous data format.
D) Because It is forbidden to add or modify the code in “Factory Database”, any customer can upload the collected code to own web server, which is called “Internet Shared Database”.